

```

tggccaatgg gttctataga aaagtcggtt tagtgtagag aaattgaaaa cagatctatt 240
aggttggtgc aattgctttt gcaccaacct aatatttgat ggcagtgggt tatcatgata 300
taccttttat gaattaatgt ttataaatga ctgtactgaa tttaaaaccg tacagtttca 360
tttgcathtt gacattactt tattatacat tttgcathta aaaggctgca ccagttaggt 420
tttcttctgt tttattctca aaatatagag attctgtgat ttatttgccc tgttctgctc 480
gag                                                                 483

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<210> 1630

<211> 282

<212> DNA

<213> Homo sapiens

<400> 1630

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gaattcgcgg cgcgctcgac taaaaatagg tttttaaat ttagctaagt cttaaagtaat 60
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ataattttta gttattttgt aatgcagagt gtttattcat ttcacagtcc cgcaatggat 180
gtagtatttt gggattgccc tgtccagaaa attttcagct acacaccttt aaaggaaaat 240
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<210> 1631

<211> 247

<212> DNA

<213> Homo sapiens

<400> 1631

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gaattcgcgg cgcgctcgac gagaatagtt cacaagtaag aattaaaata taggcccgtt 60
gttccatttt agtggggggt gatacaaac acccagaaaag taaatgcttg agaatagtcc 120
acaagtaaga attaaaatat aggcccggtt ttcataatg aaatcctata atttggccat 180
aaaactaata tttttaatta ttgcataat tggattaggg agcaagggtt aagctgaaag 240
actcgag                                                                 247

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<210> 1632

<211> 253

<212> DNA

<213> Homo sapiens

<400> 1632

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gaattcgcgg cgcgctcgac aaaaaagtca gttgtattgt aactcccttc ctacagacac 60
ctccccatag aataaaccca gaataaggat gacatttttg gtaaaactat tcaactatct 120
aatattacac attttccctg atatctgtag atctggacaa aaactaggta aaaatctagt 180
tcaagtatcg tgtaacttac agttatgcac caectaccaa cgtttcaatt atttaacaat 240
ggactcactc gag                                                                 253

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<210> 1633

<211> 388

<212> DNA

<213> Homo sapiens

<400> 1633

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gaattcgcgg cgcgctcgac ctgagattga cataatggtc agagaatcat ctcagggtctg 60
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taaaaatgaa tggaaggact cagagtagtt gcttgaggga tgggttggag gggagcaaag 180
taaatacagg gagaccagt agggagccct ttttcagggt agagcttata tcttttgaat 240
tagggttatg gttgtagaga agatagatgt agaaggaaat gaaagaattt ttagggatat 300
gtcaaaaata actcctctgt agctttcaca attgggggtt tgttgctggt gaaggggagt 360
ggtgggttaag ttggagggtt ttctcgag                                                                 388

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<210> 1634

<211> 306

<212> DNA

<213> Homo sapiens

<400> 1634

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gaattcgcg cgcgctcgac atactgatca cgtgggatgt tgtttgcta cagggttaact 60
tggaggggtc aggggtgcga gtggcccaga gcatgggtccc cagtggccac ggatgagacg 120
gcgtgtgtgc tgtgacctg ggcaacttag catcgctgag cctcagagtc agtgtgtaga 180
attatctaag gggcttgta caagatgccg gcttcccacg gcttttgta gtactcagtt 240
aatctgctgg tgcttgtaaa gcacctgaaa cagggtttgg ccttcagaaa atggcagcta 300
ctcgag                                           306

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<210> 1635

<211> 203

<212> DNA

<213> Homo sapiens

<400> 1635

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gaattcgcg cgcgctcgac aagtcctttg ccatgaggaa aaagtgggtt tttgcttcat 60
atggtaaatc tatattattc atattgaatg tattaacaga taatgggtgca aaagcattct 120
tcccagggga agagtgtatc atgcataact gcaatttaag tccttccttt gataatactt 180
caaacatac acagctactc gag                                           203

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<210> 1636

<211> 210

<212> DNA

<213> Homo sapiens

<400> 1636

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gaattcgcg cgcgctcgac ctcaagatct ttgcaaatgt ttcttgctg gatcccttc 60
ctcttcctgt caactttttc cctagttacc tcttacaatc cttcagaact cagatgcaaa 120
tcactttctc aaggcctcaa ggaagccttc tgtggccctc cggaacagat caagttcagg 180
ttcttgctta ttacccac taaactcgag                                           210

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<210> 1637

<211> 183

<212> DNA

<213> Homo sapiens

<400> 1637

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gaattcgcg cgcgctcgac ccggagtact gttggctacc cctctgcttt cattccaaga 60
ttttttcttt atctttgatt ttagatttta tgcagtttaa atatgatatg cctaggtgta 120
gcatttgggg ctttgtgtgt gtgtgtgtgc gcgcgcgcgt gtgtgtgtat gagagagctc 180
gag                                           183

```

<210> 1638

<211> 241

<212> DNA

<213> Homo sapiens

<400> 1638

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gaattcgcg cgcgctcgac gaataatgaa accaacgaat catctggatg ctttttatta 60
tcattctgca gctgaaatc taaacaatat cagtgatagc atactccca ttggggatca 120
gtatgaagaa ctgtgcctgc acagaaagcc ctccagtgcac tgtctcctgc tattattttt 180
ccttgaagtt ccatttctca tcattgactc aaaatccttc acgggcccc tactgctega 240
g                                           241

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<210> 1639

<211> 272

<212> DNA

<213> Homo sapiens

<400> 1639
 gaattcgcg cgcgctcgac cagttttaca agtgcccagt gtgacaagta taccacgtgt 60
 gaggttggcg ggaccagtct atgaggacag gaaagaacag tatgtgggca tctttatttc 120
 cattagtcac tttttcattc aacaaataca tgttatgcaa tgcagccttt tgggtgttgt 180
 gctgggcaga taaaagacac atcccacagg gtcttgccct taaggattct ccagctctgg 240
 ataataatat gccaaaaacc acagcactcg ag 272

<210> 1640

<211> 244

<212> DNA

<213> Homo sapiens

<400> 1640
 gaattcgcg cgcgctcgac ggtcaggcgg gaaaacggtc ataaaagtat ccaagtaagg 60
 aaaagggaaa atacagcctc gctgggtaag ctgggacaag gccggcccat gcaggccttc 120
 cggtgcagtt ccgggggctg cgtattctct tccgggtgag gtccgggctg ggaggggaaa 180
 agctgggacg aggtaagggg cctggctggg caccatggcg gcagggtgga aggtcgggct 240
 cgag 244

<210> 1641

<211> 555

<212> DNA

<213> Homo sapiens

<400> 1641
 gaattcgcg cgcgctcgac cttcgactgg aagtcgcagc tggctatcca ccgcaagggc 60
 caccggcccg aggttccatg agcagccaga cagcacagtc cctcggggcc tcggtgttct 120
 cggggcctgg atacagcctc tggggcacca gcagaagact ctggaggcag caggggatgc 180
 cagagtgaac aagggggtccc aagccagttc cctgcccctg gtctggtctc ccccaaaaga 240
 ctgggtgcaa ggaagaggag ctgctctctc tcttcttgcc cctgctctct agagggaggt 300
 ctgggttccc ttctatggct gaccagtgcc tgtgggggtga ctgccaaaga ccaggctccc 360
 tccctccctg tgacatggcc tgggctgaca acactccctc tcctgggacc tccttgcttc 420
 aggtgggtgt tcaaaaactg tgccttccca ctctctctgt cagaggctgg gcctgaggtc 480
 tcagtgtgga gagcagcaga agaccagga aagcacagtt ggcttccgtt tctctctgctc 540
 ccctgtatgc tcgag 555

<210> 1642

<211> 217

<212> DNA

<213> Homo sapiens

<400> 1642
 gaattcgcg cgcgctcgac attgaatgta tgtttttata tactttttac tgagattttt 60
 ctgttttatg gtatatactt taaatttttt atttatttca agtgtgttca taattgcttg 120
 ttgaaagggt tttatgatag ctgcttttaa aatctttgtc atctttgtgt tagtgtgttt 180
 tgttgttgtc ttttctcatt tagttgaggt tctcgag 217

<210> 1643

<211> 224

<212> DNA

<213> Homo sapiens

<400> 1643
 gaattcgcg cgcgctcgac attttatatt tgggtgtattt aaggctacca aagaaaaaag 60
 aatatcgaaa tagatttata tttatgaatt tcattgctgc cctaacttac tgccttattt 120
 tctccatcct ccagcttgg atgactccta ttccaagtca tcccccccc ccaggttgca 180
 taggagccct tagtctactg cattctctca gtgcagcact cgag 224

<210> 1644

<211> 249

<212> DNA

<213> Homo sapiens

<400> 1644

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gaattcgcgg ccgcgctcgac ttcttacttc agcagtttctt ttgtaaatta catttactgt 60
gtttttcata aaggtagaaa aaaattacca ataatttcag aaccaaagtc accattatta 120
ccattgacat ttaaaaaaat aatgttttat ggtggaatat tttcaaaaa atactgcctc 180
atcagtgttt ttgcaagtc ttttcctgtg tttctttcat tttctcttaa aacaagcaaa 240
aatctcgag                                     249

```

<210> 1645

<211> 479

<212> DNA

<213> Homo sapiens

<400> 1645

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gaattcgcgg ccgcgctcgac gggaggggctt tgggttttga gctcagtgtt ctgggattca 60
tatctagagc tctcagattc atagccaggg ctccgggggtt cataccggg gctccgaggt 120
tcatagccag ggccttgggg ttcatacctt gggctctggg attcaaaact agggctctga 180
gaatctgatt cagggtcttc gggtgcaaac tcagggtctg ggggcacaag ccaggggctt 240
cgggactcaa accccgggct ttcagggtca aatctggggc tttgggggtc aaactctggg 300
ctttgtggct caaacccagg gctctggggg tcaagcccaa atgggtatct ttcgaactca 360
tagtccccac tgccttcttg ctgagaaatt tctcttctct cattctcact catgttgctt 420
ctgaggtacc ctccggggct cctcatttct tcagaactct gcacatctg gggctcgag 479

```

<210> 1646

<211> 235

<212> DNA

<213> Homo sapiens

<400> 1646

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gaattcgcgg ccgcgctcgac atactataag gataaacaaa gtcaagtcca taaagcaata 60
atccctcaga aggaaagtcc ttacttttca catattaata tttagtaatt ttctctgctt 120
ctaaaagtga gagtatcaca ccctaaatga acactgtcta ctaagagaca tcatteccatt 180
tccacaaatg aagattttat tccaagaaac gagtttactg attggagcac tcgag 235

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<210> 1647

<211> 357

<212> DNA

<213> Homo sapiens

<400> 1647

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gaattcgcgg ccgcgctcgac cttgctagct atggccctcg tactcggtct cctgttgctg 60
ctggggctgt gcgggaactc cttttcagga gggcagcctt catccacaga tgctcctaag 120
gcttgggaatt atgaattgcc tgcaacaaat tatgagaccc aagactccca taaagctgga 180
cccattggca ttctctttga actagtgcct atctttctct atgtgggtaca gccgcgtgat 240
ttccagaag atactttgag aaaattctta cagaaggcat atgaatccaa aattgattat 300
gacaagattg tctactatga agcaggggatt attctatgct gtgtcccgag gctcgag 357

```

<210> 1648

<211> 208

<212> DNA

<213> Homo sapiens

<400> 1648

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gaattcgcgg ccgcgctcgac gtaagctggg ttctaccttc aggggtttta tgaaaactga 60
tctgggttat cagaaaaaga tgttaaaaca gaaaatgacc tttctgccag tgacttgtga 120
atgctttctg tgtttgggtc tccacctaac aaagtgtctg tttttgccct accaagtgtt 180
agctttgggt gggacgaggg aactcgag                                     208

```

<210> 1649
<211> 153
<212> DNA
<213> Homo sapiens

<400> 1649
gaattcgcgg ccgcgtcgac gcctctataa atctgagtat tgactgctaa aagtcaatat 60
ctgctgttca ttcagaaaaat gagggtaactt aacttgagta gcattgtttt tcttgccctt 120
tcaactccac ccagggccct ggcagtgttc gag 153

<210> 1650
<211> 242
<212> DNA
<213> Homo sapiens

<400> 1650
gaattcgcgg ccgcgtcgac ctactacaga gttaggctta actccaccca acagccaagt 60
ctgaaaccac tgacgggtacc atgagggctt tcattttctt tctcttcatt ctctggcca 120
tgcttcagc atcttcaacc cagatttcaa ataccagtgt ctccaaacta gaagagaatc 180
caaaacctgc acttattctg gaggaaaaaa atgaagctaa ccattctagga ggacgactcg 240
ag 242

<210> 1651
<211> 286
<212> DNA
<213> Homo sapiens

<400> 1651
gaattcgcgg ccgcgtcgac ccaaaaccaa agaggaaagc caaatactac ctaagacaca 60
ttggcacctg agtatatatt agaaaactat gcaaataata attgcagctt ttgccagagc 120
tcaatttgct acttcagaga ttatattgct tataacccaa ctgcaacttg ctgctgtggc 180
actgactggt atttccagtg tcccatacgt tagttcta atagggttacta atattttaat 240
aatatttgaa tctctttgtc ataattgaatg tgccaaccaa ctcgag 286

<210> 1652
<211> 221
<212> DNA
<213> Homo sapiens

<400> 1652
gaattcgcgg ccgcgtcgac cagagtctac atagaactat gcttcgtggt gttctgggga 60
aaacctttcg acttggtggc tatactattc aatatggctg tatagctcat tggcttttg 120
aatacgttgg tgggtgtgtc atgtgttctg gaccatcaat ggagcctaca attcaaaatt 180
cagatattgt ctttgcagaa aatcttagtc gatctctcga g 221

<210> 1653
<211> 319
<212> DNA
<213> Homo sapiens

<400> 1653
gaattcgcgg ccgcgtcgac ctatgttgc tgtctgaata acataataat atatagcaat 60
aactttttca ttgatttgaa taaatctatt gcatagaaat aggtgcacta ttgtagtgg 120
ccagactttt atttaaagaa aagcagttta aaatagattc atcacatatt tagtttttaa 180
tccccaatc agttttcttt gtttatagca atcaaaattat taaatatatc ctattatact 240
atttttaatc cctattccc aaaagataag ggaatttgaa agactgtgga aaatgatatt 300
aggacgggca tacctcgag 319

<210> 1654
<211> 319
<212> DNA

<213> Homo sapiens

<400> 1654

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gaattcgcg cgcgctcgac tgccaatgtt ccatcggtgt ggaatcatgg cactgggtgc 60
agcatacctc aactttgtaa gtcagatgat agctgtccct gcattttgcc agcatgttag 120
caagggttatt gaaattcgaa ctatggaagc cccttatttt ctaccagagc atatcttcag 180
agataagtgc atgcttccaa aatctttaga gaagcatgaa aaagatttgt actttctgac 240
caacaagatt gcagagtcgc taggtggaag tggatatagt gttgagagat tgtcagttcc 300
gtatgtacca ctactcgag
319

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<210> 1655

<211> 233

<212> DNA

<213> Homo sapiens

<400> 1655

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gaattcgcg cgcgctcgac aggtttctga gacatctttg gtttctaata tcttccatgt 60
caacacggat gatcacaggg tctatggtac cgttgcttca ggtgatatac aggggttctc 120
ctatgtcttt tgaagattct agtcgaatca tcccactctt ttatcttttt agctccttgt 180
ttagtcatte actaatttcc atacatgata acgaattcta cgggtgatctc gag 233

```

<210> 1656

<211> 585

<212> DNA

<213> Homo sapiens

<400> 1656

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gaattcgcg cgcgctcgat ttagcctgga acagagcggc actcggcctg agcggctgta 60
tatccagggt ttcttgaaga aggatgactc agtgggctac cgggcttttg tgcagacaga 120
ggatcatctg ctacttttcc tgcagcagtt ggcagggaag gtggtgctgt ggagccgtga 180
ggcgtccctg gcagaagtgg tgtgcttaga gatggtggac ctccccctga ctggggcaca 240
ggccgagctg gaaggagaat ttggcaaaaa ggcagatggc ttgctgggga tgttccctgaa 300
acgcctctctg tctcagctta tcttctgctga agcatggact tcccacctct ggaaaatgtt 360
ttatgatgct cggaaagcccc ggagtcagat taagaatgag atcaacattg acacctggc 420
cagagatgaa ttcaacctcc agaagatgat ggtgatggta acagcctcag gcaagctttt 480
tggcattgag agcagctctg gcaccatctt gtggaaacag tatctacca atgtcaagcc 540
agactcctcc tttaaaactga tgggtccagag aactactagc tcgag 585

```

<210> 1657

<211> 340

<212> DNA

<213> Homo sapiens

<400> 1657

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gaattcgcg cgcgctcgac tcatattggt ccccatgga cagcttttctg tctctaatac 60
catacactca gtgcagggtc tgaatgtccc cccaaactca tatgttgaac tccaaatccc 120
caagggtttg gtattagatg atgtagcctt tgggaaggaa ttagggtggt gccctcatga 180
atgggatttg tgtcattata aaacaagccc aaagaaattt ggtcaccctt tcttttaagc 240
gaggtcattg caaaaagacg ctgtatatga accagaaaat gggctctcac tagacacca 300
atgctgggtg ctgttctctg gatttcccag cccactcgag
340

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<210> 1658

<211> 312

<212> DNA

<213> Homo sapiens

<400> 1658

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gaattcgcg cgcgctcgac agcacacctc aaactaacac agtccctatc aaacctttga 60
tcagtactcc tctgtttca tcacagccaa aggttagtac tccagtgtt aagcaaggac 120
cagtgtcaca gtcagccaca cagcagcctg taactgctga caagcagcaa ggtcatgaac 180

```

ctgtctctcc tcgaagtctt cagcgctcaa gccagagaag tccatcacct ggtcccaatc 240
 atacttctaa tagtagtaat gcatcaaatg caacagttgt accacagaat tcttctgccc 300
 gatgccctcg ag 312

<210> 1659
 <211> 219
 <212> DNA
 <213> Homo sapiens

<400> 1659
 gaattcgagg ccgcgtcgac gctactggct caaattcagg ttctggcgtc aaatagcgac 60
 atttccagtt tctcttaaaa accgtgtttg gtttcagttg ggataggctt gttttgtctg 120
 ttgaaaatgt ttctagtttt ttttctttca tttttctctc attccatttc tgccttaact 180
 ttagttttgt cacagggagg caaagctgac aatctcgag 219

<210> 1660
 <211> 129
 <212> DNA
 <213> Homo sapiens

<400> 1660
 gaattcgagg ccgcgtcgac agctactaaa tctgggtctaa tagtcaagac catcgcat 60
 gaagttctaa tttttattat ttagttcata actaaaatga tttctctctg gaataaactt 120
 gtactcgag 129

<210> 1661
 <211> 245
 <212> DNA
 <213> Homo sapiens

<400> 1661
 gaattcgagg ccgcgtcgac gttatgtgcc cagaagatct gagtgtttca ttagtaattg 60
 gaattctctt ctggaatctg actatcccag tggaaaaggg agatcatccc ggcattctgga 120
 tcttccctgc acatttgatt ccacttggaa aactttgggtg ctgcctttcg aggacagagg 180
 ccgaggggtg gctctctcca acaggcagtt acagcttgaa ttctgcttct tccccaaagc 240
 tcgag 245

<210> 1662
 <211> 266
 <212> DNA
 <213> Homo sapiens

<400> 1662
 gaattcgagg ccgcgtcgac atgtgtgaag ccttcttcca gcaagaagca aaagaaaaag 60
 aaagagctga acccagagca aaagtcaaaa gagaagctga aaaggagaca tgcgatgaat 120
 ttccggagact tttgcaaaat ggaaaacttt tctgcacaag agaaaatgat cctgtgcgtg 180
 gccagatgg caagaccat ggcaacaagt gtgccatgtg taaggcagtc ttccagaaag 240
 aaaatgagga aagaaagaga ctcgag 266

<210> 1663
 <211> 252
 <212> DNA
 <213> Homo sapiens

<400> 1663
 gaattcgagg ccgcgtcgac gaaaaatttc tctttcacag tctcagctct agacaattgt 60
 tatcttgtgg gatgctggcc tcatgttgcc agaattgtcg attttacaag ggaagccaga 120
 aatctgggtt ttcagataaa ttttttact atttttattt tattttatta ttttttgaga 180
 tggagtttct ctcttgttgc ccaaggcgga gtgcaatggc gcaatctcag ctccaccaca 240
 ccccactcg ag 252

<210> 1664
<211> 335
<212> DNA
<213> Homo sapiens

<400> 1664
gaattcgcgg ccgcgtcgac ctgaaatggc tgtctgtcat gcttgcatt tttatgaaac 60
actttattgc aggtcagcta ttattgcacg tgcacttca agtcactggc tcaggctggt 120
gtcatgtgtg gtttgcgtca aacggcagcc tgccttgcag tgtgagctct tcctggaaac 180
aggagtctct tgtagctgat gccacatcag ctttaagtca ttaggaagat attctaggcc 240
ccttggttgc tcagccatca gtctataaat cacacaacac taattttcca tcaagtaaca 300
gcttaaaaca gaacactgtc aaaccacaac tcgag 335

<210> 1665
<211> 230
<212> DNA
<213> Homo sapiens

<400> 1665
gaattcgcgg ccgcgtcgac ctcagatctc ttaatggaaa gctttgatat atttcatgtg 60
tgtttttaaa tagcattcaa tgtatgttta aatataggag tgtcctgtga gtggctcccg 120
gggagcagcc ggaagtgttg tactcggctg tctattgtgt gtgggagagt ctttctgttg 180
actgtggatc tcatatttat gaggactgca tgcaaggatt gcctctcgag 230

<210> 1666
<211> 260
<212> DNA
<213> Homo sapiens

<400> 1666
gaattcgcgg ccgcgtcgac ccccttttat catttgccac agaaggtgc tgtctccctt 60
ctgatttggt gggcaggtat tgtttttgag ccagtattta acagagtttt ttaatctata 120
agattttttt tgaatctatt tcattgtgtt tgtttttcat gttggaacaa tctctctgga 180
agtgcctctt cttgtggctt ttacaacttc atttctttct ggggtcacct gtgatgggct 240
ttgatgtggt ggagctcgag 260

<210> 1667
<211> 202
<212> DNA
<213> Homo sapiens

<400> 1667
gaattcgcgg ccgcgtcgac caccgtcaat gaaagtgtct gacctttctg cctctgcctc 60
cttactccta gcctgcgggg atgggaccaa tgcccaccag gatcttgtcc cctccatgtc 120
accgaactgg tcctgtctca gccttcacct gacctgcgcc ctcagcagcc aggacatgc 180
tgccctctcc tcctccctcg ag 202

<210> 1668
<211> 275
<212> DNA
<213> Homo sapiens

<400> 1668
gaattcgcgg ccgcgtcgac atttgatagt tgattttcat atgtctttta ccttttaaaa 60
tcctccattt cattcattgc tgtcttttgt gttgatattt aaaattaatc tatttttatt 120
tcctttaaaaa attttctctc taatctctgt gttgggtcaat tttgtgtttt tttttttttt 180
ttgtaactgaa atgttttgat tctattctca tttcttttgt ggctatttca aagatattta 240
gtattttctt tgtggttacc atgggggaac tcgag 275

<210> 1669

<211> 286
<212> DNA
<213> Homo sapiens

<400> 1669
gaattcgcgg ccgcgtcgac cccattcacc ttattctttc ttaaataaat atctaateat 60
gttattttccc tgcttcaaaa actttctaata tatttccctg ttgtcttcaa gatcagacca 120
aacttcccag caacactctt caaaatctga ttccagcttc ctggtagagt gtcattcttc 180
ctcagcacac tccaggtccc tgacacacga gccagtgttt ctctattcc cattgcctat 240
aggattcttc cccacccatg acttgctccc ctgcacctgc ctcgag 286

<210> 1670
<211> 290
<212> DNA
<213> Homo sapiens

<400> 1670
gaattcgcgg ccgcgtcgac caaaacatct gcacgacagc tacgggcagt tcatcaacac 60
aggagatctt gaataataat caaggattaa ttaagtttaa agcgtatcac attttgtacc 120
agtgtcagaa tctgggggag gaagaacaat taaaaaagaa ttagggggtt ttattggtaa 180
atccaaattc attcctaaat caaatgatga aaattttgt cgttggttaac actctaacc 240
atttaatatg tgctgtcttc ttcaaaacac taggaagcac cccactcgag 290

<210> 1671
<211> 240
<212> DNA
<213> Homo sapiens

<400> 1671
gaattcgcgg ccgcgtcgac ggtggtagaa gtaacctgaa atagagatac atttaaataat 60
ctgagtgtgt gatttcagca aaggagagag accctgtgtt actatttttag gagtgtcttt 120
gattgtgtga acccgttgaa tacaccactt actaaccgag cccggccatt ttgttcagat 180
tattcagagc tctcagggccc attcagaatg aaattcaaaa tctttaccat gacgtcgag 240

<210> 1672
<211> 274
<212> DNA
<213> Homo sapiens

<400> 1672
gaattcgcgg ccgcgtcgac cttagctgtt aaaacttcta gattgaaatt tgacagccag 60
ggttacatat tggggacttt taaagtgtct ttccaaagag atttcattaa ccgtttagat 120
tagaataatct ttcccaattg ttacagtgcac atatatgctg caatatttaa caactggagt 180
attagccaca tgggttatct tttcaatctg tgttttgaat tttttattg tgtgttattt 240
aaaatattac atatgcagcc gggagaacct cgag 274

<210> 1673
<211> 239
<212> DNA
<213> Homo sapiens

<400> 1673
gaattcgcgg ccgcgtcgac tggaatatca aattttcatt tctttttcta acacttgagc 60
tttctacttg acacaggcaa gaaatagagt ggagctttat tgtagcctct gctttcagaa 120
acaggacata atattagttc atttccaagg attgggacat ctaatattag ttaattctaa 180
ggatttttaa tttgatgttt tcagtgttcc atattcacct tctagtgtat agtctcgag 239

<210> 1674
<211> 297
<212> DNA

<213> Homo sapiens

<220>

<221> unsure

<222> (22)..(24)

<400> 1674

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gaattcgcgg cgcgctcgac cnnnaaacgg tcgattgaat tcataccttg tctcagatct 60
ctcctggtac ccttccccca cgcccttaga taatccatct caattcctca tgctaattga 120
ggagctatgg ctgcaaggca ccttccagga ttccacacct acacaaatct cctttttctc 180
cttttgctt ctctgcttat gggatattct gagtccccac ccccaatcac tgacagctgg 240
gcccccttca tcagctcac acaccacgta ttaagtcagt cacaatctcc cctcgag 297
```

<210> 1675

<211> 260

<212> DNA

<213> Homo sapiens

<400> 1675

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gaattcgcgg cgcgctcgac tgaaactata tcatttattt ttctatttat cactgctgtt 60
gtgttttgtt taatttttaa ctgtttctct ctacttgagt ataagtctca gaaggcagga 120
gcttgcctac ctattccact aaggtaaggg taccattatt taaaacagta ccttaagtct 180
aaaatatgaa cagttcagca ataagagcta aataatagtt taacaaaatg ttatcacata 240
tctacacaat agcgcctcgag 260
```

<210> 1676

<211> 376

<212> DNA

<213> Homo sapiens

<400> 1676

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gaattcgcgg cgcgctcgac gcgtgatcag aatgggtgtct ggacgggttct acttgctctg 60
cctgctgctg ggggtccctgg gctctatgtg catctctctc actatctact ggatgcagta 120
ctggcgtggt ggctttgect ggaatggcag catctacatg ttcaactggc acceagtgt 180
tatggttgct ggcctgggtg tattctatgg aggtgcgtca ctggtgtacc gctgccccca 240
gtcgtgggtg gggcccaaac tgccctggaa actcctccat gcagcgtgc acctgatggc 300
cttcgtctct actgttgggg ggctgggtgc tgtctttacg ttccacaacc atggaaggaa 360
tgccaaccat ctcgag 376
```

<210> 1677

<211> 208

<212> DNA

<213> Homo sapiens

<400> 1677

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gaattcgcgg cgcgctcgac ctttgttget agtccaaatc ctctgatttt ggtttgatgt 60
gtcctagcag atccctgaac ttccagagat attgccattt ggattcatgg agttggcgaa 120
atgctacact gctaccttgt gtatggctct aagctttgat cctaatagact ggttgatgat 180
catgataata ttagagccag tgctcgag 208
```

<210> 1678

<211> 363

<212> DNA

<213> Homo sapiens

<400> 1678

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gaattcgcgg cgcgctcgac actggcagtt caaaaactag tacagaaagt tggatttttt 60
ggaatttttg cctgtgcttc aattccaaat cctttatttg atctggctgg aataacgtgt 120
ggacactttc tggtaacctt ttggaccttc ttgggtgcaa ccctaattgg aaaagcaata 180
ataaaaatgc atatccagaa aattttttgt ataataacat tcagcaagca catagtggag 240
caaattggtg ctttcatttg tgctgtctcc ggcataagtc catctctgca gaagccattt 300
```

caggagtacc tggaggctca acggcagaag cttcaccaca aaagcgaaat gggcacactc 360
gag 363

<210> 1679

<211> 260

<212> DNA

<213> Homo sapiens

<400> 1679

gaattcgcgg ccgcgtcgac cgctcgattga attctagacc agcctgggga aacatagtga 60
gaccctatct ctactgaaaa aaaaagagag agagaaagct tcgagaggag atgagaccat 120
tctttatttc ttattttctt ctttctgggtg actgccagct cgctcagatt cctccacctt 180
ccttgctggg gtgctgcctt atcagcccca cctttcttat tcctagaagt gaaagctggc 240
atcttcccca caacctcgag 260

<210> 1680

<211> 377

<212> DNA

<213> Homo sapiens

<400> 1680

gaattcgcgg ccgcgtcgac gctctatcta tgaatctgat aaaggccttc cttcaactgg 60
agacaatttg ggatgttgca aaacaagggtt tgggaagccc tcttatggat cggttttgtg 120
tccaagtctg tccctgccaa aagccatcaa aagtctccat caccctggg ctcagctctg 180
ctacccccag acttggcagc tgggatctct ccttcctggg tcatagttct cattcccacc 240
cctcagcgat ggagtttagg ttccaggccc acgtggtgaa cgagattgtg agtgtcaaga 300
gggaatacgt agtttatgat ctgaagaccc aagtcaccac ccagcagctg gtgcccaggg 360
gtgatggaga actcgag 377

<210> 1681

<211> 237

<212> DNA

<213> Homo sapiens

<400> 1681

gaattcgcgg ccgcgtcgac cacttccaga atgtccatca ggttgatcat gatgtttttg 60
tgtgtcttct tgtacttccc gacacgtagt gagacagtga gccagccagg gcgcccctg 120
cacatgaagg tcttgctacc ctgctccttc cattcccgca cctgcttctg gatgtcccg 180
acgcgctgct cgtgcaggcg cggagcgctg ctgagcttga acaccacca gctcgag 237

<210> 1682

<211> 275

<212> DNA

<213> Homo sapiens

<400> 1682

gaattcgcgg ccgcgtcgac ggacgcttcc acttgatgcc ataggtcttg gaggaatttg 60
gacccaggtc cttgtaaccc aggtctctgg gtaccggggg gaaggcctca tcacggaaga 120
gggtcccaact ctgcaggcaa acccccagtt cattgtggat ggagctaccc gcacagacat 180
ctgccaggga gcaatggggg actgctggct cttggcgcc atcgctctcc tcactctcaa 240
cgacaccctc ctgcaccgag ggtatgttcc tcgag 275

<210> 1683

<211> 205

<212> DNA

<213> Homo sapiens

<400> 1683

gaattcgcgg ccgcgtcgac caggcatcta tgggatgtgg aatctgtatg tctttgctct 60
gatgtctctg tatgcacat cccataaaaa ctatggagaa gaccagtcca atggcgatct 120

gggtgtccat agtggggaag aactccagct caccaccact atcaccocatg tggacggacc 180
 cactgagatc tacaagcgac tcgag 205

<210> 1684
 <211> 274
 <212> DNA
 <213> Homo sapiens

<400> 1684
 gaattcgcgg ccgcgtcgac ctgtgacagg atcaatgttt atggcatggt gccccagac 60
 ttctgcaggg atcccaatca cccttcagta cttatcatt attatgaacc ttttgacct 120
 gatgaatgta caatgtacct ctcccatgag cgaggacgca agggcagtca tcaccgcttt 180
 atcacagaga aacgagcttt taagaactgg gcacggacat tcaatattca cttttttcaa 240
 ccagactgga aaccagaatc acttgcaact cgag 274

<210> 1685
 <211> 222
 <212> DNA
 <213> Homo sapiens

<400> 1685
 gaattcgcgg ccgcgtcgac gattgaattc tagacctgcc tcgagatgat tctccttcag 60
 cttttctttc tcccggtctt ttgcgtctct tctctctctc ctctgtctgt ctctgtctct 120
 ctcccaacga ggactctcct tagcggtgtg gaattcggcc accctgtctc tgctcctggc 180
 atctcgtctg ggatccctgc acctcggtct cattcactcg ag 222

<210> 1686
 <211> 197
 <212> DNA
 <213> Homo sapiens

<400> 1686
 gaattcgcgg ccgcgtcgac tagaccagcc tctagcttac ctgccataa attaaaatat 60
 atagtgtgtc tattcttgat aaaacctcta gcaacctctt ccattttcaa tcagaatacc 120
 accaaataat taaaagcat ttttaataga cttttaaaaa tatgctaata aaatctagtt 180
 atctctgtga cctcgag 197

<210> 1687
 <211> 328
 <212> DNA
 <213> Homo sapiens

<400> 1687
 gaattcgcgg ccgcgtcgaa tgggcttggg aaacgggctg cgcagcatga agtcgcccgc 60
 cctcgtgctg gcgcacctgg tggcctgcat catcgtcttg ggcttcaact actggattgc 120
 gagctcccg agcgtggacc tccagacacg gatcatggag ctggaaggca gggctccgag 180
 ggcggtgca gagagaggcg ccgtggagct gaagaagaac gaggctccag gagagctgga 240
 gaagcagcgg gaggagcttg acaaaatcca gtccagccac aacttcagc tggagagcgt 300
 caacaagctg taccaggacg atctcgag 328

<210> 1688
 <211> 379
 <212> DNA
 <213> Homo sapiens

<400> 1688
 gaattcgcgg ccgcgtcgac gtggcagagg tgcttgtgtt tttgtcggta caggagagtc 60
 gctatggcgg cgggtggattc ggatgtcgaa tcgctgccgc gtgggggggt ccgctgctgc 120
 ctctgccacg ttactacagc caaccgaccc agccttgatg cccacttggg aggcagaaaag 180
 caccggcacc tggtagaact acgagctgcg agaaaggccc agggacttcg aagtgtgttt 240

gtcagtggct ttcccagga tgtggattct gtcagctct ctgagtactt cctagcattt 300
ggacctgtgg ccagtgtgt catggacaag gacaaggag tgtttgccat tgtggagatg 360
ggggacgtgg gtgctcgag 379

<210> 1689

<211> 406

<212> DNA

<213> Homo sapiens

<400> 1689

gaattcgcgg ccgcgtcgac ctttaagcaa acctgaaccc acctatgtgt cccccctg 60
ccccgcctc tcccacagca cacctggcaa gagcaggggg caaacctaca tctgccaggc 120
ctgtaccccc acccagggcc cttctagtac cccctctcca tttcaaacag atggggttcc 180
ttggacacca tcccacaagc acagtgggaa gacaactcca gacataatta aagactggcc 240
caggaggaag agggcgggtg gctgtggcgc cggctcctct tccgggaggg gcgaggtcgg 300
tgcagacctt cctgggagcc tgtcactgct tgagacagag ggcaaggacc acggccttga 360
actcagcatc cacaggacgc ccactcttga ggattttgag ctcgag 406

<210> 1690

<211> 221

<212> DNA

<213> Homo sapiens

<400> 1690

gaattcgcgg ccgcgtcgac ctttaaggggtg tataacaaga ctttggagac agaccagaat 60
ttaaactcta gttttaccac ttttaaccag ctatgttcaa gttaatttat ctttttttaa 120
atattgaaaa acttatgaga ttttcaaaca tgcacaaaac agggaaacagt ataattaacc 180
cccatatgtt cattacacat attcaagagt caactctcga g 221

<210> 1691

<211> 320

<212> DNA

<213> Homo sapiens

<400> 1691

gaattcgcgg ccgcgtcgac gtttttagaaa acttgtttat ttgcctgtgt gcggtagggg 60
ctcttcaagc atccacctga gttcettatt gctgattctt ggaagtgtgc aaatactcct 120
ttcagaacag gtgtcatatc tcatttgcac agcattccat ggtacacagg aaattgtatc 180
tagtttcgtt ttttgttttg ggggggtttt tttggtgttt gtttgagaca gggctcact 240
ctgttgccca ggctgttgtg cagtgtcatg atcttggtc acagaaatct ctgccccctg 300
aactcaaagg atcactcgag 320

<210> 1692

<211> 226

<212> DNA

<213> Homo sapiens

<400> 1692

gaattcgcgg ccgcgtcgac agcctccttt gtgattcatt ctttcttaca tgattgggtg 60
taatcatggt tctatcctca gtcattctca tctattcatt ctctctgggc aaattcattc 120
atattattacc aactcctct gtggatctat agactcctct acccagcact gtaatggaca 180
tttccatctg gatgtgtccc atgcatttca aacccaacaa ctcgag 226

<210> 1693

<211> 196

<212> DNA

<213> Homo sapiens

<400> 1693

gaattcgcgg ccgcgtcgac actcacacct atatatgaca gtcgtggggc agaaaggact 60

tagactttttg tcgggtcttt ccaaagtatt caacttcatt tttattaaag aaaaaatttt 120
ttttctcctt tataatttcat tagcttacct gatattctat caaattacct atgtcaataa 180
caagcacaat ctcgag 196

<210> 1694
<211> 222
<212> DNA
<213> Homo sapiens

<400> 1694
gaattcgagg ccgcgtcgac gagagaaatg ccatcatgct tactgctctt ttggattctt 60
catgcagtggt cttcccatct gctctgggaa cagtgcctct gtgctgggta tatgtatgca 120
ccacatgtgc acacacgggt gtcgggtgcaa ctcaccagca ggtgtgcagt aggcaagctt 180
gaaggtggcc catgcttctc tgtgtgcaca caacacctcg ag 222

<210> 1695
<211> 233
<212> DNA
<213> Homo sapiens

<400> 1695
gaattcgagg ccgcgtcgac aaagaccttt gggatttatt cagtttgctt ctgttttcag 60
agttgttcgc tgctgctgtg aaagtgggaa aaaacagcag tgtctgcac attgtatgat 120
aaaactttat gtttgccttt ttgtgtgtct gtaaagggtt atttgccatt ctgtgtcagg 180
ttttgggtgt tagttgcatt ctacttactg cgtttttgcca agcacaactc gag 233

<210> 1696
<211> 230
<212> DNA
<213> Homo sapiens

<400> 1696
gaattcgagg aaagaggcct aaaaatatga gttcctaatt gtcaaaaata ataacaaaaa 60
tacaattttt gagcaagtag tagagagatt ttaaagtata acgtgctaaa ccttcagttt 120
gtaacctggt cttgtttgtg ctgctgttag ctatgggaag tatcagggga ctaagtatta 180
ttttatttat ttgtttgttt atttctatgg gttttcgggg ggcaactcgag 230

<210> 1697
<211> 210
<212> DNA
<213> Homo sapiens

<400> 1697
gaattcgagg aaaaacctac ccaactcctgt gctaccacgc ccagaggca gaagccaatg 60
ggtcactgtg cctaaggagg ttgaccagg gaaccacggg ctgtcccttg aggtgcctgg 120
acagggttaag ggggtgcttc cagcctccta acccaaagcc agctgttcca ggctccaggg 180
gaaaaagggt tggccaggct gctcctcgag 210

<210> 1698
<211> 179
<212> DNA
<213> Homo sapiens

<400> 1698
gaattcgagg aaagaggcct aaatctttta ttttttgtaa actttttttt cttttgttaa 60
aataaataaa acattcaatg tttttctcct tttctctctt attactctct tcttttgga 120
ttttcaattt gaaatgcttt cttttgggtg ttggttttat tctcccccaa tccctcgag 179

<210> 1699
<211> 224
<212> DNA

<213> Homo sapiens

<400> 1699

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gaattcggcc aaagaggcct aaaatcatct aacacaaaac ctatactata ctacagtgt 60
taataatttca cagtaattta ttgaacactg tactgacaat gaaaaacaga gtggttggtt 120
gcgtacttga agtacagttt ctgctgaata catgttgctt ttgcattctt gcaaagtcaa 180
aaactctaag tcaacaatc ataatcaaa ccatgacact cgag 224
```

<210> 1700

<211> 202

<212> DNA

<213> Homo sapiens

<400> 1700

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gaattcggcc aaagaggcct aggacagggt ttcatggaa acagtgaagt aaatgcaata 60
ctgtctccgc gatcagaaag tggaggcctt ggtgtgagca tggtagaata tgtattaagt 120
tcttctcctg ctgataaatt ggattctcga ttttaggaagg gaaatttttg cactagagat 180
gctgaaactg atgaacctcg ag 202
```

<210> 1701

<211> 106

<212> DNA

<213> Homo sapiens

<400> 1701

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gaattcggcc aaagaggcct acacagtgat tccgatgtgg agccagccct ggaagcctct 60
ccgtggctta aggacccccg ctgctttctg gcccaattg ctcgag 106
```

<210> 1702

<211> 327

<212> DNA

<213> Homo sapiens

<400> 1702

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gaattcggcc aaagaggcct agtgtaaatg caacaaagaa aaaggcccta agcttctcta 60
cttattagat atatttttgg caattgattt aacttttgcc aacctcagt tttctaattct 120
atgaaatgat agtgataagt tctgcatata gggttgttac gaaaattaaa tgagataatg 180
tgtaaatcaa tttagcacagt gtctcacacc tagaatgcac tcaagaaata atagccacta 240
ttagattagt catagttata gaatatcatc aagggcctac atttgtataa aacactgcct 300
ttacacacaa tatccacaag tctcgag 327
```

<210> 1703

<211> 167

<212> DNA

<213> Homo sapiens

<400> 1703

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gaattcggcc aaagaggcct actctactcc ctcatccgcc cagtactatg caaccatcaa 60
tctgtctcta tggtggtaga ttgatactgc cacctatagc catttgcac attgtatatt 120
ctattcagat tctgttagtc aatttagata agaccaagga actcgag 167
```

<210> 1704

<211> 316

<212> DNA

<213> Homo sapiens

<400> 1704

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gaattcggcc aaagaggcct actttgacaa aattcaacaa ctcttcatgc taaaaactct 60
ccatctggtc tcttttctct tcagcctaac ggtatcatct gacagttctt gtagtgtagg 120
tttcgaggca acaaatctta taggcctttg ttcctctgaa aatatcttta tttcatctc 180
```

agtatacttt ttctctgggta tggattcctg ggtttgcagg gtattccac ttgtccgagt 240
tttcaatata ttcagttttg aagatgttcc attggcctcc attattttct atgaaaagtc 300
agctgtcaca ctcgag 316

<210> 1705
<211> 311
<212> DNA
<213> Homo sapiens

<400> 1705
gaattcggcc aaagaggcct attcccaagt aattagattc aaggtaggct ttctcagecc 60
gaataatgca gaaatcacat tatggccttc tcagggtatc atgtttgaag gtgtgcctag 120
tgtccattta ttctctcttg gtgatgttaa ttttgattac cctgtcaaga tgtgtgtgg 180
tttttccctt ctataattac tgcctcttcc cctctccctt gagacgaata agcaatctgg 240
gggtcatttt aagaccatac aaatacaata atactatggc caccctcttc ctccaacca 300
gtaagctcga g 311

<210> 1706
<211> 235
<212> DNA
<213> Homo sapiens

<400> 1706
gaattcggcc aagaggccta aaagggttcta ttctctcccc accagtcact taaaaatcca 60
aacaacaata caacctgact acaggagtac tttattataa atgtacagtt cttacagtag 120
aaagaacaat atgaagatgt gggctctagt cactgttgcg ttactaagtt tctatctgtt 180
acctagaata agtcattctt taaggctctca gatTTTTTccc actacgaaac tcgag 235

<210> 1707
<211> 232
<212> DNA
<213> Homo sapiens

<400> 1707
gaattcggcc aaagaggcct agtttggttt tgccaaagga ttatcaactg agctattatt 60
agtacttacc taagttagtt tggtaggaat caggagaaga gagaaatcag aaatgattgt 120
tgtgtttctg ttatggctgg ctctctgtca ccccatgaa aatacggcag tatecagagt 180
aagtaatcag gtaatatcag agataagtaa tccatcgaaa gcccactcg ag 232

<210> 1708
<211> 339
<212> DNA
<213> Homo sapiens

<400> 1708
gaattcggcc aaagaggcct aaaagtctgt gttctcttct cacttcacat aattagttct 60
ggtggcattt ggttcccccc cagaaataaa tcaactgttaa atgattcttt ataaagcagt 120
ccacacattt atcataccac agtgatctga acccatttag ggaattataa gctacagtgt 180
gtcatgttgc aggcctagca actctggcct tgtcacattg catctctctc cactccccgt 240
gtaccacta atccttcagg actgagattc aaggctttgc tagtaagagg cttggaaata 300
atcatataaa acataatagt gtggcatggc aagctcgag 339

<210> 1709
<211> 188
<212> DNA
<213> Homo sapiens

<400> 1709
gaattcggcc aaagaggcct acgagattgt tcttttcaac gtaactgttt tgggacctgg 60
ccaggagaat gtttcatctt cagacagtga tacagtttca cttgtttctt ttccatcttt 120

atcttttttga gacctcgag gccctgagct tgtcaccatc tccctcagac agaccagtgc 180
tccctcgag 188

<210> 1710
<211> 192
<212> DNA
<213> Homo sapiens

<400> 1710
gaattcggcc aaagaggcct actcgagttt tccgtttttc tttctctctc tgtatgctac 60
tttcaatttt tctttctttc tttattttga gacagaatct ggctctgtca ctcaggctgg 120
agtgccgtgg catgatctca aaaacaaaag aaataaaaaa taaaaataaa aggttccctgt 180
gagcaactcg ag 192

<210> 1711
<211> 228
<212> DNA
<213> Homo sapiens

<400> 1711
gaattcggcc aaagaggcct aatcatttgt tttgagggtta gtttgattag tcattgttgg 60
gtgggtgatta gtcgggttgt gatgagatat ttgggtctgt acctgttggc ttcatttctc 120
ttattaccct gttgccaggc caccgggtcc ggcccagcct tgattcttcg ggaatcactt 180
ctccctcgcc ggcctgttta ctgcctccac ggatcactca tccctcgag 228

<210> 1712
<211> 212
<212> DNA
<213> Homo sapiens

<400> 1712
gaattcggcc aaagagacct aaccatatgt tcttcactgt aatttttctt gcattcatctt 60
atcaatttagc tgtaaaccatg cttattttta aatgccattc aaacgcctct aatagaatcc 120
tgtggcaaag tgaagaatcc ttttacatac acagtacaga tgtatcaaaa ccatgtactg 180
ttttgtttac acacatgaca gaaccctctg ag 212

<210> 1713
<211> 230
<212> DNA
<213> Homo sapiens

<400> 1713
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acacatatcg acttagaatg gtcattgtat ttctgcattt gaattctcta cttatttttt 120
tcttcagatc ttccagttag tgttctctct cgttttatcc ttaccttctt ttggcaciaa 180
aagctgagac gctatctgt tgcctcaaat caccagtcac gtttctcgag 230

<210> 1714
<211> 272
<212> DNA
<213> Homo sapiens

<400> 1714
gaattcggcc aaagaggcct acgattaaat tagacctgcc tccagtattt ccgtaacttt 60
aaattggttag ctttcatttg cttaaaaatt ttggcatat gcagataatg ttctcatcag 120
tagtaagaat ctcagggtta tgccttatcc ccaatggagg tatgacatat aatcttttct 180
gcctttactt atcaattcac caaggagctg tttctctctg atctaggcca tcatactgcc 240
aggctggtta tgactcagaa gcctgcctcg ag 272

<210> 1715

<211> 128
<212> DNA
<213> Homo sapiens

<400> 1715
gaattcggcc aaagaggcct agttgggggt gtttttacta caaaataagt tacttagttt 60
tataaagaca aaccgattgt agccaaatga caccatattt aataaaattt agtctgaagt 120
gtctcgag 128

<210> 1716
<211> 268
<212> DNA
<213> Homo sapiens

<400> 1716
gaattcggcc aaagaggcct actaacattc tgtgatgcct aattttgcaa aatcactttt 60
cattcaccga ataaattttt ttcttctttt ttccacagag ttttgccttg tctcccaggc 120
aggagtgcag tggcgggagc ttggctcgtc gcaacctctg ccttcagggt tcaatagagt 180
ctcctgcctc agcctcccaa gtacgtggga ttacaggctc atgccaccat gcccggttaa 240
ttttcacatt tttagaagag gtctcgag 268

<210> 1717
<211> 228
<212> DNA
<213> Homo sapiens

<400> 1717
gaattcggcc aaagaggcct actgtcatat atgtgtttgt gttttctata ttatttcttt 60
ttgacttcag ttttgcattc caaatatgta tgggggtggca ttttaacagt caatgagtca 120
aacagtcaaa ggaggacagg aggggagcca gctggttagga gggagcagca accgtgtgtg 180
gaccaagcgc catttttgtt ttatagacgt gtcttcctaa acctcgag 228

<210> 1718
<211> 264
<212> DNA
<213> Homo sapiens

<400> 1718
gaattcggcc aaagaggcct agacatctta acccagctag aggccttgtg aaatatgaac 60
ggctgtatca atgcctgcct tcagtagcct attattatta ttattatttt gacacagagt 120
ctcgatttgt cactggggtc gcagtgccgt ggccgggtct tggctcactg cggcctctgc 180
ctcccaggtt cgggcgattc tccctgggtc gcctcctcag tagctgggat tgcaggtgct 240
caccacaaca ccaggcaact cgag 264

<210> 1719
<211> 214
<212> DNA
<213> Homo sapiens

<400> 1719
gaattcggcc aaagaggcct acaaaattgc ctgaattgta ctgtatgtag ctgcactaca 60
acagattctt accgtctcca caaaggctcag agattgtaaa tggtaataac tgactttttt 120
tttatccctt tgactcaaga cagctaacct cattttcaga actgttttaa acctttgtgt 180
gctggtttat aaaataatgc gtgtaactct cgag 214

<210> 1720
<211> 204
<212> DNA
<213> Homo sapiens

<400> 1720
 gaattcggcc aaagaggcct acccagctac atttgtgata ctttcagtgc taagaaaatc 60
 tatattctgt agctttgaag ttatttaaca gttaagtact atttgcgtgt ttattctgat 120
 tttgtcttaa atgacaaaata ttttattcat cttttctctt caaacattat ttaacaaatg 180
 tacgttttaa tgtttgctct cgag 204

<210> 1721
 <211> 234
 <212> DNA
 <213> Homo sapiens

<400> 1721
 gaattcggcc aaagaggcct aggcctgtgt atgaagattt tgtttgtttt tttttgttt 60
 tttgtttttt ttgagatgga gtcttgcctc gtcacccagg ctggagtgcg gtggcgtgat 120
 ctacagctcgc tgcaagctcc gtctctcagg ttcacgccat tctctgcct cagcctcccg 180
 agtagctggg actacagggt acaggcgccc gccactatac ccggctcact cgag 234

<210> 1722
 <211> 217
 <212> DNA
 <213> Homo sapiens

<400> 1722
 gaattcggcc aaagaggcct atgattgcaa aggaataaac taagccaatc taaatttcac 60
 tctagaatta gttaaagttt tgattaaaag gaggagttta ttttgaatta aattagtaaa 120
 gagagtgaga aatctgatag gagttaacat caacacatac accacaggct ttggttgcaa 180
 gtaggccatg ctaacaattc tactgggatg tctcgag 217

<210> 1723
 <211> 248
 <212> DNA
 <213> Homo sapiens

<400> 1723
 gaattcggcc aaagaggcct aagttttcaa ccattattgc tttaaatatt ttttcttctc 60
 ctttattctt ctccactttt tctggtaact tttttatatg tatgttggtg cactcactta 120
 aaggatatct acatttctct gaggtccgt tcatttttgt ttttattggt gttctatttt 180
 ctgtctgttc tttgggtttt gtaatcgta ttgattcact caatatttct tctgccagtc 240
 atctcgag 248

<210> 1724
 <211> 228
 <212> DNA
 <213> Homo sapiens

<400> 1724
 gaattcggcc aaagaggcct aagcatattg tcagaaggaa ggatgggtgc aattagcttt 60
 ttatcttcta gcattttttt actacctata tggcatgac tatgttttgg tgagctctta 120
 gaacaacaca cagaagaatt ggtccagtta agtgcattgc aaaagccacc aaatgaaggg 180
 attctatcca gcaagatcct gtccaagagt agcctgaggt gtctcgag 228

<210> 1725
 <211> 249
 <212> DNA
 <213> Homo sapiens

<400> 1725
 gaattcggcc aaagaggcct agttgagttt gtcattaaaa tcataaacca gctgcggtaa 60
 cagacaagcc tttggctggg gagttttaag cctcggtaac tgctataaaa ctagccatcc 120
 agttaggata gaatgtgttt ctttctggtt aaaaaagga aaaaccatct aagaaaaat 180

atatgtatgt atgtgtgtat acagtggaaat tcaaaggacc aaagcaaaat ttgaacagga 240
ttcctcgag 249

<210> 1726

<211> 436

<212> DNA

<213> Homo sapiens

<400> 1726

agaattcggc caaagagcct actggcatgt ctgagcataa gcttgacagt ctacttttcc 60
agctttcact ttccctttaa tcatectagc caagagctca aattctggag caaaattctg 120
gcaaggtcca caccaaggag catagaaatc aatcacccaa tgatttttcc cttgtagaac 180
tttttcactg aaagtctgag gtgttagatc tgtggatact tgaggtaaaa atcctagacc 240
ccagattctc agggaataag catccctatt ccaaccattg taactgtgat actgataagc 300
tttatttgat ttgggggaa aaaatcttat ctcagggtat ctttgaacgt ttccctgggc 360
acaaaaagaa tgatactgtt ggcaatctat actgcccacg ttgatcagtc cagttaatgt 420
ccgggccggt ctcgag 436

<210> 1727

<211> 367

<212> DNA

<213> Homo sapiens

<400> 1727

gaattcggcc aaagaggcct actgatacaa tcaagaagca gaacattccc atcccacaaa 60
gatctcttat cttgcccttt tactgccgca caaattccct ctccctcctg ccccatcctt 120
aacctctgac aaccactcat ctgctgtcga tttctgtaat tcagtcattt caagaatggt 180
acataaatgg agttgtacag tatgtaacct ttgagactg gctctttttt cactgagcat 240
aattctctgg agatttatct acattatctt atatatatcc atggattggt cctgtttatt 300
cctgagtaat attccatatt atggatgtat cagtttcttt aactgttttag ctgttgaagg 360
actcgag 367

<210> 1728

<211> 225

<212> DNA

<213> Homo sapiens

<400> 1728

gaattcgcgg ccgcgtcgac cgattgaatt ctagacctgc ctcgagcgag acttgggttta 60
aaaaaaaaaa aaaggtagcc ctttactatt agaccgattt ctcccgcaat acagagcagt 120
agctgagaat cattgttgtc tatgtggcat tttctgctac ttgcttctgc catgccatgc 180
cttttctcat ccttgagacc agatcaccat ccaaaaacac tcgag 225

<210> 1729

<211> 352

<212> DNA

<213> Homo sapiens

<400> 1729

gaattcgcgg ccgcgtcgac ccccaggaca ctagagccac tttagtctaa ttttctgctc 60
tttaattatt ttaacactcc agaggaggac tgggtttctc ctgtgttttt ttaatatatg 120
gcaagtggaa cctctaatcg accaccctgt ttttcagcct aactcaggct tgtggtaaaa 180
ttatcagttc ccactttctt tgetgcatcc tcaaatgcaa cacaggagaa cagctttccc 240
ttgcaaatcc acaatgctgt taactattcg tcccttatta tacatttcat taaagttttc 300
tattattgga tttctttcta cttctcccta cagttctgcc cattcactcg ag 352

<210> 1730

<211> 145

<212> DNA

<213> Homo sapiens

<400> 1730
 gaattcgcgg cgcgctcgac ctcaaaacttt ggtgtacata ccaatgatca tgttaaata 60
 cagcttggtt ggccctcactg cagcagtttc tgtctgttct tatccagtac tgcacctat 120
 tgggcaagct cttcagaagc tcgag 145

<210> 1731
 <211> 341
 <212> DNA
 <213> Homo sapiens

<220>
 <221> unsure
 <222> (25)

<220>
 <221> unsure
 <222> (306)

<400> 1731
 gaattcgcgg cgcgctccac gttgnttga caccagggtg gaatagcaga gaacggctgc 60
 ttgtgtttga attccagctc tgcacttcg atagatttct gaactgagac atgtgactct 120
 ctaggccctat ttctgcatgg gtcggagagt gggcgggact gctttactga gttatagtga 180
 atgtagtttt aacctaaagc cctcacatga ctaactcctc atccatcaag aatgagctca 240
 gctctcactt cccactcct ccccccttg taaagtaacc tttctccaag gttatgcttc 300
 aacagnata gctaacattt attaaattgt ggccctcga g 341

<210> 1732
 <211> 411
 <212> DNA
 <213> Homo sapiens

<400> 1732
 gaattcgcgg cgcgctcgac tggttttga tgttttctg tagtttagaa cagatacaca 60
 ttagtataag ataccaataa tcattagagc tcaaggaggt tattaggtgc agcctctgga 120
 gccatactca cgctgcagtg cataatggga aaattaggag cattaataag aaatttcagt 180
 agtgtttga aggaaaataa gctacttact gagatctgtt tcttctattg catgtttgct 240
 tttgagggac agcttctgtc aaaagtgaat tcatcaccag aactgggctt gttaggaaga 300
 atagggtttt atttactttt tatgtcaatt aacttcaaca aaaaggccac gctggctgct 360
 gtcattgccat ctgggtatgc attaaacatt aatgatgatc agcatctcga g 411

<210> 1733
 <211> 319
 <212> DNA
 <213> Homo sapiens

<400> 1733
 gaattcgcgg cgcgctcgac ggtccgggtg cttttctcat attgactcat attggacata 60
 aattcatgcc cagcaaccct atccaaggag gaattttggt tggctctgga tcatttatc 120
 ttatggaact caggatgctt tttttcttag gtactaaca accatcccat taatattcct 180
 tctctagcat tactcttgat agggagtctt gtatgtttgt agaaaagact gaagtaggcc 240
 tgggtgtgtg gctcacgcct gtaatcccag cacttttga ggccaagggt ggcagatccc 300
 ttgagatcag gcgctcgag 319

<210> 1734
 <211> 192
 <212> DNA
 <213> Homo sapiens

<400> 1734
 gaattcgcgg cgcgctcgac gccagacatg agttttgcaa gcattgcttt gttttgcttt 60

atattttaag ccccttttct caaaaaatc attccacttt catctttctga atcggagttg 120
gaatcagtc cagaattctc tgagggtctg cgggactctg cttttttgtt ggttgctccc 180
ctggagctcg ag 192

<210> 1735
<211> 249
<212> DNA
<213> Homo sapiens

<400> 1735
gaattcgcg ccgcgtcgac cctaaaccgt cgattgaatt ctagacctgc cctcagtgtc 60
tcccagtttc cttgctttct tttatttccc tcctgattgc tgcctcccca gttcttacca 120
gctctctgtc ccagtccttt cctgtcaaag atggcagact cctccaatgc caccgctccc 180
ctacccatct gcccgagtc tccccttctc tctccctccc tgetggctct tttggccatc 240
cccctcgag 249

<210> 1736
<211> 180
<212> DNA
<213> Homo sapiens

<400> 1736
gaattcgcg ccgcgtcgac gagcatttgc aaagtcataa aatattcttt gttttgtttg 60
ggggcagttg gttggttttt tgatgttttg tgtgtggggg caggacaggt gtctcactct 120
gccaccaggt atggaacgca tagctcattg cagcttcaac ctttaacccc cggactcgag 180

<210> 1737
<211> 282
<212> DNA
<213> Homo sapiens

<400> 1737
gaattcgcg ccgcgtcgac ttgagtgttt actaactctg tgttttgctt acctggcttt 60
tcttccttga agttgcttaa ttttttttcc tccaagagga attattttaa aagacttttg 120
tctgtgacat aaccaagatt tattctgttt acctaaggaa cttattttct tttttgcaat 180
ttcattttat ctgagtcact ttatttgtaa taagtgaaga attttaatac ttagaaataa 240
gttgtaaaaga aaataatgag aatcttacca tgcgtactcg ag 282

<210> 1738
<211> 290
<212> DNA
<213> Homo sapiens

<400> 1738
gaattcgcg ccgcgtcgac gagaaaagtt tcagaaaacc tagattagag atgttgtgct 60
tatttttatt tttctttatc tcaactctgc cttcttccct ctcttccctt ctccctccc 120
actcccttct taactctcca ctttggtttt ctacctcagc ccttaattcc ttcctttctt 180
taattcttcc attctttctt ccttctcaca tagataagtt taataatagt ggttggtttg 240
ttgtagatgt ttcaggggga aaaaatttaa aaggttgac agttctcgag 290

<210> 1739
<211> 356
<212> DNA
<213> Homo sapiens

<400> 1739
ggaattcgcg gccgcgtcga cagatttttt cctaaactga ggcaagaatt gagtctactt 60
ttttttgttt ttcttgagtc tctgtttacc tcaaatctag agacactctg cctctagtg 120
gaaatttctt aaagggtcagg taatcagtta gtcattctaa ttcagaggcc aacagctata 180
atcaactgta gaagacccat ccaacacaaa ttcaaggagc tgatccaaag caaatgccca 240

cctccttggc aacagttgtt acagctgtgt tccctttcac ttccttctct cctttactta 300
aaccacattt attatccttc agttctggag gtcagaagtc cgacacaggt ctcgag 356

<210> 1740

<211> 298

<212> DNA

<213> Homo sapiens

<400> 1740

gaattcgagg ccgcgtcgac tattcctggg tatggcactg tccatgcca tctcttcacc 60
actatttggg ctccctaagt ataaaaggcc acctctaagg aaatggcttc tgggtgttgg 120
caacttaate acagccgggt gctacatgct cttagggcct gtcccaatct tgcataataa 180
aagtcagctc tggctgtctg tgetgatatt agttgtaagt ggcctctctg ctggaatgag 240
tataattcca actttcccg gaaattctcag ttgtgcacat gaaaatgggt cactcgag 298

<210> 1741

<211> 263

<212> DNA

<213> Homo sapiens

<400> 1741

gaattcgagg ccgcgtcgac ccgtcgattg aattctagac ctgcctcgag ttttgccttt 60
ggctctctgc cacttgggtg actattgtct gctttttcaa gatgcagctg ttgtgtcacc 120
tcttctggat agtccttcca tactatctac acaagcaaat tggtgtctgt ttccttgaaa 180
acccacctca acctctctgt acacaccaag caagaacata ccgcacttac ttgttaccag 240
gtctatctcc cctcccccgc gag 263

<210> 1742

<211> 328

<212> DNA

<213> Homo sapiens

<400> 1742

gaattcgagg ccgcgtcgac ctaccacata agaagatatt tatataacag ttctcagaat 60
ccaactgttt tgcagttgaa attttctccc aagattccaa ttagtataaa attttaattt 120
gctaagaagc atctcacata ataaataagc ctatcaagaa ggcaatttat attaatntag 180
aataaactag actctgtgtc ctctgaatta aacaccaatg agcaccctaa agtttagact 240
tccttgcttt tattacttat atctgtttat tttttatgat gcagtctctg agcctgttcc 300
atttgaaact gaagctccca cactcgag 328

<210> 1743

<211> 155

<212> DNA

<213> Homo sapiens

<400> 1743

gaattcgagg ccgcgtcgac gtctgttgaa aaagagaaga ggtttgcaaa taccctcatt 60
agagtactat gcaagtgttg catcactatt tccaaatttc caggggcata atgagtatct 120
tctttccact agctacttta acacaagccc tcgag 155

<210> 1744

<211> 277

<212> DNA

<213> Homo sapiens

<400> 1744

gaattcgagg ccgcgtcgac gaagaatgca agtattctgg agtttgagaa atgttttttc 60
tgettttgtc atgaaatata ccttgaaca ccttccatt tgtggggagc ttaaatacta 120
taggcagaaa aatgaagata cgagccctgg catgcgagga ctgcgtggca gtgtgggacg 180
cgtgcttgag cctcactttc ttctctggga gatggcggta ggcggggcgg tggagagcag 240

tagtgggaca gaaggagctg agtgctggga gctcgag

277

<210> 1745

<211> 392

<212> DNA

<213> Homo sapiens

<400> 1745

gaattcgcgg ccgcgtcgac atgctttgtc ccaagccct gaatccctca aatctgacct 60
tgtcccctgc tgtggccacc actctctcct atttcattgg agtgctctct cctgagcctt 120
tcagcccagt ccaggccagc tcccttaatag ctgccccttc ccgtgaactc cctcttcttg 180
cctctctcttc cctccagtgg cagaaacccc acctctgttg gccagtgctc tttgaagaga 240
gtcctgagat gccctcggga gtttgggttag agcccttgca ggcatccaga gaacaactgg 300
aatcaaggcc ctttgtgctt tctgggtccc aagcgccttt ggggcttgag gttctcttca 360
ttagtggtag atctgaagtg tttctctctg ag 392

<210> 1746

<211> 432

<212> DNA

<213> Homo sapiens

<400> 1746

gaattcgcgg ccgcgtcgac ctaaatgaga agactttcaa tagtaatgaa gaatccatgg 60
cactctcttc accctcaaac acatggcagt catcacata caggccccaa agccactgtt 120
agtgctgcag tagctctgtt ggacattgga aagcccggag agggcgtgga agaaatcagc 180
tgccccccgg caggttctct ggggttttgt gcccaaggct cctggagccc taaaaacttt 240
caaaagttaa ctccccacgt ccccatcctg cttgggtttc tggacttttc tgaggcaccg 300
gcagaggggt ctcattgctc ccttgagtgt aggggcagcc ctttaacctg gctccttgag 360
tccctgcttt ttctgcttct gttgccttct tctctgtctt cctctctctc aatatctccc 420
cccaaaactcg ag 432

<210> 1747

<211> 368

<212> DNA

<213> Homo sapiens

<400> 1747

gaattcgcgg ccgcgtcgac tgtgcttggt ggggtattact taagaaatca ttgcccagac 60
cgataccctg gagagtcttc ccagtgtttt atttttagtca tttcatagtt tgaggcttta 120
gatttttgtc tttaatcaat attttgattt gaggttttgt tatgggtgaga gataggagtc 180
tagtttcatt cttctgcata tatatatcca gtttccaagc accatttatt gaagaaactg 240
tctttctctg catgtatggt tttggcacct ttgtcaaaaa tgagttcact gtaggcgtgt 300
ggattttttt ctgggttctc ggttctattg ttctgtgtgc ctgtttttat gccagtacca 360
cgctcgag 368

<210> 1748

<211> 302

<212> DNA

<213> Homo sapiens

<400> 1748

gaattcgcgg ccgcgtcgac gcatatacag cccttggtat ttttaattatg agactaaaac 60
tcttcttgac accacacatg tgtgttatgg catcactgat ctgctcaaga cagctatttg 120
gatggctctt ttgcaaagta catcctgttg ctattgtgtt tgctatatta gcagcaatgt 180
caatacaagg ttcagcaaat ctgcaaaccc agtggaatat tctaggggag ttcagcaatt 240
tgccccaaaga agaacttata gaatggatca aatatagtac taaaccagat gcagtcctcg 300
ag 302

<210> 1749

<211> 153

<212> DNA

<213> Homo sapiens

<400> 1749

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gaattcgcg cgcgctcgac aggcctcctct catattccat cgcagtttc tgttacaagg 60
cagactgaat caagccaaga tcaacacaca ctggtacacg tggctcccaa ccaattttat 120
atgtatatat atattctact tcaaacactc gag                               153

```

<210> 1750

<211> 292

<212> DNA

<213> Homo sapiens

<400> 1750

```

gaattcgcg cgcgctcgac cccccccccc cttttttttt tttttttttt cctccttaat 60
ttttgttca ttggattttt tccctcggtt agttaagtgc tctgctgctt gcttgctcat 120
gcttcctaac aatttttagc ttcgactgat ttttcttttt tcttttttct tttttactgg 180
tatttgtttt ttatactcat tcaactaaac ggaattcctt caagctgtac ttccccatt 240
accaagagg cctgctcttg aaaaaaccaa cggtgccacc gcattgctcg ag           292

```

<210> 1751

<211> 276

<212> DNA

<213> Homo sapiens

<400> 1751

```

gaattcgcg cgcgctcgac gcgcacagtt ccttctgtac ctgtgtggag gaaaagtact 60
gagtgaagg cagaaaaaga gaaaacagaa atgctctgcc ctgggagAAC tgctaaccata 120
gggtactgt tgattttgac tatcttctta gtggccgaag cggagggtgc tgcacaacca 180
aacaactcat taatgctgca aactagcaag gagaatcatg ctttagcttc aagcagttta 240
tgtatggatg aaaaacagat tacacagaaa ctcgag                               276

```

<210> 1752

<211> 225

<212> DNA

<213> Homo sapiens

<400> 1752

```

gaattcgcg cgcgctcgac tggctgggtg gtagatttaa atcaactgtt ccgcattgta 60
ttcatgagc ccatgaaacc cgcacaacat ttagcttctt cccgagcagc aagtttcttc 120
tcggtcttct tcttgctgct cttctccacc ccagaggttg ccatcctccc tcagctcggt 180
tcacgcccgg ggctcgccgg gccgggcgag aggtcgcccc tcgag                               225

```

<210> 1753

<211> 362

<212> DNA

<213> Homo sapiens

<400> 1753

```

gaattcgcg cgcgctcgac agaccccaca acatgcgccc tgaagacaga atgttccata 60
tcagagctgt gatcttgaga gccctctcct tggcttctct gctgagtctc cgaggagctg 120
gggccatcaa ggccgaccat gtgtcaactt atgcgcgctt tgtacagacg catagaccaa 180
caggggagtt tatgtttgaa tttgatgaag atgagatggt ctatgtggat ctggacaaga 240
aggagaccgt ctggcatctg gaggagtgtt gccaaagcct ttcttttgag gctcagggcg 300
ggctggctaa cattgctata ttgaacaaca acttgaatac cttgatccag cgttcactcg 360
ag

```

<210> 1754

<211> 256

<212> DNA

<213> Homo sapiens

<400> 1754

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gaattcgagg cgcgctcgac attgaattct agacctgcct cggctcttcc ctttttcate 60
ccatacctaa gccatcagca agtgcttctg aaataccatg tccagaatct catcacttct 120
cactctctcc actgctgcta ccttgactgc tgtcatcccc tcttgctgac attactgtac 180
cagccgctg actcgtcttc ctgcttccac cttcccacct tcagtcatat atccaggcag 240
caacggaggg ctcgag                                     256
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<210> 1755

<211> 226

<212> DNA

<213> Homo sapiens

<400> 1755

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gaattcgagg cgcgctcgac cgattgaatt ctgacctgc ctcgagcttg gtcccacttt 60
tatatttttc ctcttcggtc cagaatttct tatttagttt cttgtatttt gcctactccc 120
tccctctctc atgattcagc ctagtcttct cgtcctctgt ggacttgggt gtgccttctt 180
ctgggccacc tcgtcttttg ctgctgttag cccaccgcc ctcgag                                     226
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<210> 1756

<211> 209

<212> DNA

<213> Homo sapiens

<400> 1756

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gaattcgagg cgcgctcgac ggtgggggac tctgaacttg tgctgctgct gccatatttg 60
caatgggtgct gaggtgggtc atctggctca ttgccatgag caactatcat gccagtaata 120
accaacatgg agcagactct gaaaacgggg acatgaattc aagtgtcgga ctggaacttc 180
cttttatgat gatgccccat ccactcgag                                     209
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<210> 1757

<211> 820

<212> DNA

<213> Homo sapiens

<220>

<221> unsure

<222> (20)

<400> 1757

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gaattcgagg cgcgctcgan ccataatgat gctgcctcaa aactcgtggc atattgattt 60
tggaagatgc tgctgtcate agaacctttt ctctgctgtg gtaacttgca tctgtctcct 120
gaattcctgc tttctcatca gcagttttta tggaaacagat ttggagtga ggctgggtcaa 180
tggaagacgt cctctgctctg ggacagtggg ggtgaaatc cagggacagt gggggactgt 240
gtgtgatgat ggggtgggaac actactgcct caactgtcgt gtgcaaacag cttggatgtc 300
cattttcttt cgccatgttt cgttttggac aagccgtgac tagacatgga aaaatttggc 360
ttgatgatgt ttctctgttat ggaaatgagt cagctctctg ggaatgtcaa caccgggaat 420
ggggaagcca taactgttat catggagaag aagttggtgt gaactgttaa cgtggaagcc 480
atctgggttt gaggttagtg gatggaaaca ctctgttca gggagagtgg aggtgaaatt 540
ccaagaaagg tggggaacta tatgtgatga tgggtggaac ttaaataccc ctgccgtcct 600
gtgcaggcaa ctaggatgtc catcttcttt tatttcttct ggagtgtgta acagccctgc 660
tgtattgcgc cccatttggc tggatgacat tttatgccag gggaaatgagt tggcactctg 720
gaattgcaga catcgtggat ggggaaatca tgactgcagt cacaatgagg atgtcacatt 780
aacttgttat gatagtagtg atcttgaacg taggctcgag                                     820
```

<210> 1758

<211> 132

<212> DNA

<213> Homo sapiens

<400> 1758
 gaattcgcgg ccgcgtcgac gagtagttgg gcaaaacaaa tagcagtaat attaaagcca 60
 gaaatctcct tagagttctt actgttgggc caggtgtggt ggctcatgct tgtaatccca 120
 gcgtttctcg ag 132

<210> 1759
 <211> 267
 <212> DNA
 <213> Homo sapiens

<400> 1759
 gaattcgcgg ccgcgtcgac ccttttaata gaccaattcc tcttctcaaa attcagatat 60
 tgtctgttct cacattccct cagttctcaa ttttctttct cgtagtcttt tctgtactta 120
 acaaccctag attttctcag ttcaggcaaa actctcatta ctagtatttt cctttctctt 180
 tgaccctaaa gtgtgaagcc cttagcattt caccctatat tttctgagtg accttcccc 240
 atgtgtctgt gtcagatcac tctcgag 267

<210> 1760
 <211> 237
 <212> DNA
 <213> Homo sapiens

<400> 1760
 gaattcgcgg ccgcgtcgac cagcgttcca agtgtctttc acatgctaaa tcgattgata 60
 cttagtctag agctcttgac cacagcccta tgcttaaaaa aaatgcccc gtgttcaatt 120
 ttcacagggt gtctccttaa cacaactacc gtgtacgacg aatgtctatta tgcccatttt 180
 actgagggga aaacagcttc cctctcatct attctgaacc cctcttcacc cctcgag 237

<210> 1761
 <211> 273
 <212> DNA
 <213> Homo sapiens

<400> 1761
 gaattcgcgg ccgcgtcgac cttggatcaa aagcatctct ttgaacctct cctcaggca 60
 taccctgaaa tgctgtggac tttaaccttt tttctgttgc aaaggctcgt cacatctccc 120
 tgggtgtttg gtcttctctt ccttggctct agtaacacag cagtctgttg ctctcttagga 180
 caacttataa tgggacccaa aggggaaaga ggatttcccg ggctctcagg aagatgtctt 240
 tgtggaccca ctatgaatgt gaataacctc gag 273

<210> 1762
 <211> 349
 <212> DNA
 <213> Homo sapiens

<400> 1762
 gaattcgcgg ccgcgtcgac tgcttgagga aggacaagt aattagaaaa atatagaagg 60
 gcatgtagat ttgaaagagg atttgggaac attttgaatt tagaaaatga atcttagaac 120
 ttatacttct aactttttat gcttaaagga actaatgtac attttatgat tttagttata 180
 caagtggagg gcttatcagc tgggcatatt cattttccct ttgttaagaa aaagaaccaa 240
 atgagtaaga gaagaatgta actgggaaaa aactaaaaac agaggaagga agtgggttaa 300
 gaagatatat ctgtaaattt aagaaagcat ttggagaggc gagctcgag 349

<210> 1763
 <211> 263
 <212> DNA
 <213> Homo sapiens

<400> 1763
 gaattcgcgg ccgcgtcgac aattattttc acttttattc tgattacctt ttacagtggg 60

cactttatttg acaaaaccca agtccacctc acctctctgg cagctaccta agtgggtatgg 120
 gtttatttgt gtctctattt ttgtctcatt tgtttgtctc taagatccct cctgggtcag 180
 gccatgctcc tgcctccccc cgcgaggatc tgatgctaca ggaatataat tgtgggtccca 240
 ctaccacaac cctctatctc gag 263

<210> 1764
 <211> 568
 <212> DNA
 <213> Homo sapiens

<400> 1764
 gaattcgcgg ccgcgtcgac gacctttgga tgagattttt gtgggggtctt ttttgttgat 60
 gttgttgttg ctttctgttt ttcttttaac agccaggccc ctcttctgca gggctgctgc 120
 cgtttgctgg aggtccactc cagactctat tcacctgggt cctcccccaca cctggagata 180
 tcaccagtgg aggtcgagc aaagcaaaga tggctgcctg ctcttctc caggagctcc 240
 atccacaggg ggcaccaaac tgatgccagc tggaaactct ctgtatgagg tgtctggcca 300
 cccttggttg gaggttccac ccagtcagga ggcacgatca gggacctgct taatgaagca 360
 atctggctgc cccttggcag agcaggtgca ctgcactggg ggaaatccca ctctctgga 420
 ctaccagcca cctcagagcc agcaagcagg aaagactaag tgtgttgaac aggagatcat 480
 gactgectcc ccacagagga tctgtccac tggccacctc agagccagca agcaggaaaa 540
 actaagtgtg ttgaacagga gtctcgag 568

<210> 1765
 <211> 176
 <212> DNA
 <213> Homo sapiens

<400> 1765
 gaattcgcgg ccgcgtcgac gtcctttcct gcttcttgta ccccttcttc cctgttatct 60
 catctaaatc ctggggaatt ctgatcatcat atttatcctt ttcaaaatcg aactctgttg 120
 cttttttgta gcttctaaga ttccaaatga tgatcctcgt ccccttcttg ctcgag 176

<210> 1766
 <211> 528
 <212> DNA
 <213> Homo sapiens

<400> 1766
 gaattcgcgg ccgcgtcgac atgcaacttc tgcaacttct gctggggctt ttggggccag 60
 gtggctactt atttctttta ggggattgtc aggaggtgac cactctcacg gtgaaatacc 120
 aagtgtcaga ggaagtgcc aatgtgtacag tgatcgggaa gctgtccag gaactgggcc 180
 gggaggagag gcggaggcaa gctggggccg ccttccaggt gttgcagctg cctcaggcgc 240
 tccccattca ggtggactct gaggaaggct tgctcagcac aggcaggcgg ctggatcgag 300
 agcagctatg ccgacagtgg gatccctgcc tggtttctt tgatgtgctt gccacagggg 360
 atttggctct gatccatgtg gagatccaaag tgctggacat caatgaccac cagccacggt 420
 ttcccaaagg cgagcaggag ctggaaatct ctgagagcgc ctctcttgcg aaccgggac 480
 cccctggaca gagctcttga cccagacaca ggccctaaca ccctcgag 528

<210> 1767
 <211> 281
 <212> DNA
 <213> Homo sapiens

<400> 1767
 gaattcgcgg ccgcgtcgac cctaaaccgt ctattttaac ctttgttgc ttctttctta 60
 ctaaaagtga gtgagctgtc tgcatctttt tctggaaccc ttctctgtgc acctgagccc 120
 tctggcctgc tcatggacct cgtgagcta tgcctcctct tcttcatcat gcgtttttcc 180
 ttctctgctg gatcatttgc ttccacacac aaactgctg ctatgtctct cgtattaaaa 240
 ataaaagaac agaaaattct ccccttctg aatcactcga g 281

<210> 1768
<211> 112
<212> DNA
<213> Homo sapiens

<400> 1768
gaattcgcgg ccgcgctcgac gtttgtagtt gctgggtggt gtaataagtc cttttttagt 60
ttttcaagga gctgccaaat tattgtcaac aatgtttgta ccgtttctcg ag 112

<210> 1769
<211> 351
<212> DNA
<213> Homo sapiens

<400> 1769
gaattcgcgg ccgcgctcgac gtgggtatttc tgttcctgag ctccccgagg gatatcccat 60
aattagttat ctgtattggt tgggaaaaag aaaataactg gggtttttctc ctgttgccca 120
attctgtgcc acgtttgtta acccctagtc ccaatttttt ctgccggctg ctcttagaag 180
gctttattgga caatcttaac atctgagtag cagaagtcct tgagtaaaact tgtgctgaag 240
aattgccaca tagtttaata gttgtggatc tgcgtggttt catggatctt ttgtttcagt 300
atcaagaaga tgctttgttg gaacatatat tttacccac ttttgctcga g 351

<210> 1770
<211> 407
<212> DNA
<213> Homo sapiens

<400> 1770
gaattcgcgg ccgcgctcgac aaagtttttt tttttcttct aaactgattt ttagcaaacc 60
tcagactgaa acacaggact caacggtgta ttccctggaag gcaagggtgct ataattggcag 120
gcacaatctg tttcatcatg tgggtgttat tcataacaga cactgtgtgg tctagaagtg 180
taaggcagggt ctatgaagta catgattcag atgattggac tattcatgac ttcgagtgtc 240
ccatggaatg tttctgcccc cccagttttc ctactgcttt atattgtgaa aatagaggtc 300
tcaaagaaat tctgtctatt ccttcaagaa ttgggtatct ttatcttcaa aacaacctga 360
tagaaacat tctgaaaag ccatttgaga atgccaccg actcgag 407

<210> 1771
<211> 328
<212> DNA
<213> Homo sapiens

<400> 1771
gaattcgcgg ccgcgctcgac ctgggacgag taggtttcac tgtttctcat aggagacttg 60
acagcttaaa gtaaaaacaa attattttcg tcaaagtttt tttttttctc ttaactgatt 120
tttagcaaac ctgagactga gacacaggac tcaacggtgt attcctggaa ggcaagggtc 180
tataatggca ggcacaatct gtttcatcat gtgggtgtta ttcataacag acactgtgtg 240
gtctagaagt gtaaggcagg tctatgaagt acatgattca gatgattgga ctattcatga 300
cttcgagtgt cccatggtct cactcgag 328

<210> 1772
<211> 339
<212> DNA
<213> Homo sapiens

<400> 1772
gaattcgcgg ccgcgctcgac tgcctagtaag aactactcca tggctaattt gttcttcaga 60
gtaaactgaa ctaatccttt ccaagtgcaa gctgcctcaa gttgataaat gcctaaattt 120
ccaaaatact acaacaaaaa gcaaagtttt ccagtctctc agatacaatt tttttataga 180
tacctcaaca tgacaaaaac ttttttttgt tgcgtgtgtt ttttgagaca gggctctcgt 240
ctgtcaccgg ggccagagtg taatgatgtg aacacagctc actgcagcct caacctcctg 300

ggctcaagca gtcctccagc ctcagccccc tccctcgag

339

<210> 1773

<211> 292

<212> DNA

<213> Homo sapiens

<400> 1773

gaattcgcgg ccgcgtcgac ttctagtaa ctgtgtcttt cacattttat aaatattaac 60
 ttcttaaac tgcattctct tctttgtcca catatcgta cattacaaa aagaaatgtc 120
 aattaaatac actgttaatg ttactatatt aaatctgtc tctgtctcag cactccgtc 180
 cttttaccac caccatcac cctaaccac actccacca ctgctagttt gtcccactgc 240
 tactgttgc aacactgtc cactgtcac catttcaacg tccccctcg ag 292

<210> 1774

<211> 247

<212> DNA

<213> Homo sapiens

<400> 1774

gaattcgcgg ccgcgtcgac cacagacacc cagctaattg tcattctacc gcctcagctt 60
 cccaaactgt ttggattaca ggtatgagcc actgtgccc gcagaaatta catttacaaa 120
 ttaatatgaa gacatggtga taactaacat atttataaca tgaaatctgc tcattccagg 180
 acatagaatg caaatcttct attccactca gcaaaatttt gtcctgtcct tgataaaagt 240
 cctcgag 247

<210> 1775

<211> 270

<212> DNA

<213> Homo sapiens

<400> 1775

gaattcgcgg ccgcgtcgac actaatgaag gtgcctggga ctagggcagc taaaagattg 60
 ttttgtcaag ttctccagct gctactcttg ggccatatgt ggatgtttat ggttccagt 120
 gccactcca atcctctttt ttgtctagt cctggccttg taccaccagc tcctagggct 180
 actggcatga gtgaaaagag cccagtgtca cccaacacac cacctaccac cttgtattct 240
 tcaaccaccc ggaccacac gtctctcgag 270

<210> 1776

<211> 251

<212> DNA

<213> Homo sapiens

<400> 1776

gaattcgcgg ccgcgtcgac attgaattct agacctgacc ctccccaact ctccctgtct 60
 cctctttcat tcttccctc ttccctttc cctctcttcc cccacttcca tctgagctgc 120
 ttcttaacgg tatgagatta ttttactcct tcttcttct ttcccttct gtctgcctg 180
 gcctagagag gtgccctgcc tgtccctcct gcaccaccg tctttttcca agcatgaaca 240
 gtggactcga g 251

<210> 1777

<211> 342

<212> DNA

<213> Homo sapiens

<400> 1777

gaattcgcgg ccgcgtcgac gttatttacc aattttttca aagatctaca ttaaaagtat 60
 gaaataaatt ctttttcttt tttaaatagg atgacataag tctttcatag tagcagaatt 120
 tgccttagga aaacgatgat tatatgttta tatatttacc atatagaatc tgtaacataa 180
 tggatgaatg cctgatgtct tctaaccga tcattaaact gatttagatg ggtggatgga 240

tgacaggcag gcaggctcac agacaaacct tttttatgct aagccaacaa accaccattt 300
tcttcttttc ccttagtcg ggccttacc ccaatctctcg ag 342

<210> 1778

<211> 419

<212> DNA

<213> Homo sapiens

<400> 1778

gaattcgcgg ccgcgtcgac gtttgggaag aaatggtgaa tgctgctgg tgtggtcttc 60
ttgctgcact ctcaactcctt cttgatgcca gcacagatga agctgccact gagaatattt 120
taaaagctga actgactatg ggtgttcttt gtggaagact gggccttgta acttcaagag 180
atgcctttat aactgcaata tgcaaaagggt ccttgccctcc ccattatgct cttactgtat 240
tgaataccac cactgcagct acactttcca acaaatcata ttccgttcag ggccaaagtg 300
ttatgatgat aagtccatca agtgaatctc accaacaagt tgtggcagtg ggtcaacctt 360
tagcagtcga gctcaagggt acagtaatgc tgacttccaa aaatatccac gtgctcgag 419

<210> 1779

<211> 127

<212> DNA

<213> Homo sapiens

<400> 1779

gaattcgcgg ccgcgtcgac gtttgggtctg gcttattatt atcaaaggcc attaagacca 60
ctgataaaaa agtttttaag gttataatat ttataaaagt atcatgaaac tggagtgttt 120
cctcgag 127

<210> 1780

<211> 527

<212> DNA

<213> Homo sapiens

<400> 1780

gaattcgcgg ccgcgtcgac cagagaccaa atcactcagt tctcagaaca cctgaagatt 60
ttttttaaaa ttgttaaaaa tcagagctat ttattagaag caatctgtgg gtgataataa 120
atctgctttt agagttttat tttagctagat tttttattgt gctaaataat agaagggttac 180
tgccagcacc atctctgac agtctgcaaa ctttagagcgg tcagcctctg cttgcaaaact 240
gaaaagttag ttctctagac agcacctgtg gtctgaactt cagtacttct ccaaggaaaa 300
tcttaccagg aaaactctgc ccagagaatct gtctattaac agagggtgata accaagctct 360
ttcaaggtaa taatatgttt atattgagtt ttatactttc catgttccga ggtggccatt 420
ttcattgcat atgtcatccc actaacgtgg ctacacttat ttgtttgttg atgcctgaca 480
gttcacgtca gtcaaattgc ctgcccctct cagggtggaat gctcgag 527

<210> 1781

<211> 218

<212> DNA

<213> Homo sapiens

<400> 1781

gaattcgcgg ccgcgtcgac cctaaaccgt cgattgaact gcctcgagcg attctctata 60
catctttccc tgcaaaagaa gtattttcaa tggtttactc caaactaata cttcaaaact 120
tcctctccac tcaaaactttt cactcaatat ctagtctaac aagctgttgg gtggctgcct 180
acagtgccac atccctgcct ccattctcta tgctcgag 218

<210> 1782

<211> 260

<212> DNA

<213> Homo sapiens

<400> 1782

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gaattcgcgg cgcgctcgac ctgaataacct ttgaaaagaa cacacctat cccattcctc 60
caggtagcca ccattcttgg acttatacca agcagccttg ctacaaaaca cttctgagtt 120
tgctaagatc caagagacca gacctctca tgacaccact gctgtcttct tgtcttctc 180
tctgtgcagc cacccttagca aggcctcagtc tcagtcttgc ctccagtcac catccaaaaa 240
taaccaccac ttccctcgag 260

```

<210> 1783
 <211> 106
 <212> DNA
 <213> Homo sapiens

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<400> 1783
gaattcggcc aaagaggcct aaattttctac cagctttctg gatacagtga aatagctaac 60
ctctgtttca agaatgcagt tattaagtca aaggaaactta ctcgag 106

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<210> 1784
 <211> 149
 <212> DNA
 <213> Homo sapiens

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<400> 1784
gaattcggcc aaagaggcct attttgctgc taagagttcc cgttttaatt gtcttgcttc 60
ttttctgaac tcttcactcg agtttggacc caaagatcat tgccagaatc ggccaaagag 120
gcctaattga attctagacc ggcctcgag 149

```

<210> 1785
 <211> 158
 <212> DNA
 <213> Homo sapiens

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<400> 1785
gaattcggcc aaagaggcct acttaaatct aaaagtagat ctctgacttg atattccagt 60
ggcctggcct gtgaatcatt tctcgttgac tagcctgtct taaactcaatt tgactaaaaa 120
gtcttcacca agagatgtta gttgcacctt ttctcgag 158

```

<210> 1786
 <211> 102
 <212> DNA
 <213> Homo sapiens

```

<400> 1786
gaattcggcc aaagaggcct attcttttgg acaaacatga taaacttctt cagatacttt 60
ttttttcctt tggcaggaag gtgtcttgct gcaggctctg ag 102

```

<210> 1787
 <211> 110
 <212> DNA
 <213> Homo sapiens

```

<400> 1787
gaattcggcc aaagaggcct acccagattg ccagcgcagg ttggaagccg catatttgga 60
tcttcaacgg atactagaaa atgaaaaaga cttggaagaa gtcctctgag 110

```

<210> 1788
 <211> 149
 <212> DNA
 <213> Homo sapiens

```

<400> 1788
gaattcggcc aaagaggcct aaacacgatt ccattttggt gatgttctcc ttagcagcag 60

```

tcgtgctctc ttttcacatt ctgtctacag caaatgcac cttttgccac attgtcccct 120
gcaccttcca tagatcacac aatctcgag 149

<210> 1789
<211> 195
<212> DNA
<213> Homo sapiens

<400> 1789
gaattcggcc aaagaggcct aaaaaagac atttattcag cgtcaccgac agactgttac 60
atttagcaat caacagcatg gggtgcaaaa aaaaaaatc tacattaaaa ccctttgttg 120
gaatgcttta cactttccac agaacagaaa ctaaaataac ctgttatata attagtcaca 180
aatacagtcc tcgag 195

<210> 1790
<211> 233
<212> DNA
<213> Homo sapiens

<400> 1790
gaattcggcc aaagaggcct aagaagttg gatttttttg aattttggcc tgtgcttcaa 60
ttccaaatcc tttatttgat ctggttgga taacgtgttg acactttctg gtaccttttt 120
ggaccttctt tgggtgcaacc ctaattggaa aagcaataat aaaaatgcat atccagaaaa 180
tttttgttat aataacattc agcaagcaca tagtggagca aatgagtctc gag 233

<210> 1791
<211> 123
<212> DNA
<213> Homo sapiens

<400> 1791
gaattcggcc aaagaggcct agatgggatt ttcatgttaa cttttttcat ggcattcctc 60
tttaactgga ttgggttttt cctgtctttt tgcctgacca cttcagctgc aagaaggctc 120
gag 123

<210> 1792
<211> 131
<212> DNA
<213> Homo sapiens

<400> 1792
gaattcggcc aaagaggcct atgaacattt atataatcta acctggacat caagctgttc 60
tctctctctc ttttttttaa ttttattatt attatttttg caacatgtac atttctaaca 120
tcgtactcga g 131

<210> 1793
<211> 127
<212> DNA
<213> Homo sapiens

<400> 1793
gaattcggcc aaagaggcct agggatctgt tgctggaaag tcattgtgaa tttttttctt 60
ttcctctttt tatttgtata aatatatgag gtacaagtgt agttttgtta tgtggacctg 120
cctcgag 127

<210> 1794
<211> 107
<212> DNA
<213> Homo sapiens

<400> 1794
gaattcggcc aaagaggcct atggacgtag acattactct gtccctcagaa gctttccata 60
attacatgaa tgcctgccatg gtgcacatca acagggccat actcgag 107

<210> 1795
<211> 104
<212> DNA
<213> Homo sapiens

<400> 1795
gaattcggcc aaagaggcct aggacattct tatctcggga cacacacaca aatttgaagc 60
atttgagcat gaaaataaat tctacattaa tccaggtact cgag 104

<210> 1796
<211> 118
<212> DNA
<213> Homo sapiens

<400> 1796
gaattcggcc aaagaggcct agagttagta aggggtttat atctctcttg tccatattgt 60
tttcaaagga atgaggtgtt taggtggctg gaaaagcatt tgtaggaagt ggctcgag 118

<210> 1797
<211> 106
<212> DNA
<213> Homo sapiens

<400> 1797
gaattcggcc aaagaggcct ataagtattg cctcaagaac ttccactat agaattcttt 60
ttttatttaa aacatgtatg tatttaaaac tcaactggtt ctcgag 106

<210> 1798
<211> 124
<212> DNA
<213> Homo sapiens

<400> 1798
gaattcggcc aaagaggcct aacttaagta ctaatattcc agaaattttt gaaagcagta 60
accttaattt cctatgtatt tcattccact ttgcatata ggtcaaatac caatgtgtct 120
cgag 124

<210> 1799
<211> 155
<212> DNA
<213> Homo sapiens

<400> 1799
gaattcggcc aaagaggcct atgaaaataa cctatgattg tatgttttgc attcctagaa 60
gtaggttaac tgtgttttta aattgttata acttcacacc tttttgaaat ctgcctaggc 120
ctctttggcc gattgaattc tagacctgcc tcgag 155

<210> 1800
<211> 115
<212> DNA
<213> Homo sapiens

<400> 1800
gaattcggcc aaagaggcct aattatccaa aatgcttgag ccagaaatgt gttttagatt 60
ctggcttttt ttttttcagg ttttagaata tttgtgttgc actgggtgagc tcgag 115

<210> 1801
 <211> 110
 <212> DNA
 <213> Homo sapiens

<400> 1801
 gaattcggcc aaagaggcct aagaattatt tttctctgta gaaacacaga taccacttta 60
 tcagggaagt tagtcaaatg aaatggaaat tggtaaattg acttctcgag 110

<210> 1802
 <211> 199
 <212> DNA
 <213> Homo sapiens

<400> 1802
 gaattcggcc aaagaggcct aggtgcctgt gaggaatttg aggtccctgg acttctcgag 60
 gacacagtct ctgtctccat cagctgcagc cttcaccacc tcgatgtaat ggtctgtgaa 120
 ctctgtccca aactcccggt ttgcacaaa gtccagcagg gtcacctggt ggctggaggc 180
 atcatacaga aacctcgag 199

<210> 1803
 <211> 259
 <212> DNA
 <213> Homo sapiens

<400> 1803
 gaattcggcc aaagaggcct agtgtgcctt catcttgctg atcttctcct ggctggcccg 60
 gagctcgctc tcggtggcct gcaggctcct ctccagtgtg gccacctggt ccagcgtggc 120
 ccggcgctcc cgctcactgt gccgcacact ctctctctgc agcgccagct ccgcctggac 180
 cccgctcagc cgcccatcca cactgcgcgg ggcttctcct cactcagcca ccgccttctg 240
 cagctgcctg gccctcgag 259

<210> 1804
 <211> 138
 <212> DNA
 <213> Homo sapiens

<400> 1804
 gaattcggcc aaagaggcct agtcaggatg aaaaggaagt tgagattttt taaatccctc 60
 ttcgcttgct ttattttcag taccaacttg ttatcttttt ccttatctga ggctacctgg 120
 ggatgggatg gcctcgag 138

<210> 1805
 <211> 103
 <212> DNA
 <213> Homo sapiens

<400> 1805
 gaattcggcc aaagaggcct agctaaattt ataggagttt tcagtaactt aaaaagctaa 60
 catgagagca tgccaaaatt tgctaagtct tactattctc gag 103

<210> 1806
 <211> 110
 <212> DNA
 <213> Homo sapiens

<400> 1806
 gaattcggcc aaagaggcct actgtttcca atacactggg agagtatcca agatagccag 60
 aagaataaag acgacaataa aacagtaaaa tgatcagggt gtggctcgag 110

<210> 1807
<211> 156
<212> DNA
<213> Homo sapiens

<400> 1807
gaattcggcc aaagaggcct acgagtgtta aagtggtag aaggggtgcta gtacttaagt 60
gagatgtcag tgcctgtgtgt gttcattact attacggat atgtgaatta cttgggcagg 120
ttgggagagg ggtctaggtc atcaggatac ctcgag 156

<210> 1808
<211> 102
<212> DNA
<213> Homo sapiens

<400> 1808
gaattcggcc aaagaggcct aacttccagt atggetgctt ttttgttctt aaattccttt 60
cttttagtga tggggtcttg ctgtgttact caggccctcg ag 102

<210> 1809
<211> 134
<212> DNA
<213> Homo sapiens

<400> 1809
gaattcggcc aaagaggcct agttttttct ttaacctct ttaagtattg attctgcttg 60
agaatattga agtacttgcc agaagttgtg gatttcagtt ttaacaaatg ctattaaagc 120
ggagaatgct cgag 134

<210> 1810
<211> 109
<212> DNA
<213> Homo sapiens

<400> 1810
gaattcggcc aaagaggcct actttcactc ttgtaaaagc cacatatcca catctctttc 60
attttctcag tgtgttatgc agcaatttat taaagtattt attctcgag 109

<210> 1811
<211> 129
<212> DNA
<213> Homo sapiens

<400> 1811
gaattcggcc aaagaggcct aatggacagt ctgctactgt gcatgcttaa ctttgtcttc 60
tttactctgt cttttgatcc tgttaggggt ttggcaaagg gtggagagaa aagtagagaa 120
ggactcgag 129

<210> 1812
<211> 224
<212> DNA
<213> Homo sapiens

<400> 1812
gaattcggcc aaagaggcct attgggcagg gagtttagaa tgaatgggta atgtttgatg 60
gtcattgggc ttcttttttt tctatgaagt tgtttaagtg gataataata acaataacaa 120
caatgaaagc aaatcaatgt tgcagcttga gagctggtgg ggcccttgcc catagcagca 180
cagaagggga ggaaggaag gacagcattg atgggggtct cgag 224

<210> 1813
<211> 154

<212> DNA

<213> Homo sapiens

<400> 1813

gaattcggcc aaagaggcct atggacctat tataattctt gtctggtttt gtccactgga 60
gcaataaagg aaaatgctta tcttacttct ggagtttctt cagctcctgg gtccagccct 120
caactattcc tcagcagggt ccttcaagct cgag 154

<210> 1814

<211> 139

<212> DNA

<213> Homo sapiens

<400> 1814

gaattcggcc aaagaggcct agaaaatgtg ggtgatgggg aagttggtaa tgactccgct 60
gttttttctc atggctcctt tgggccacag ctgcccgccc ccggtataca ctgtagttga 120
ttgcaggga acactcgag 139

<210> 1815

<211> 112

<212> DNA

<213> Homo sapiens

<400> 1815

gaattcggcc aaagaggcct actcatcttt tgttagattt attcctggat ttttttttta 60
ttctattgta aacgatacca ttttgtaaat gttattttcc agtttactcg ag 112

<210> 1816

<211> 153

<212> DNA

<213> Homo sapiens

<400> 1816

gaattcggcc aaagaggcct atataaagca gaattcaaga ggtctcctgt agtattaatg 60
tctgataaac agtgtgtgat tctcttcttc aatatttctt tctttctgtc tctttgtttc 120
ggtctctgta tatatattac tgattcactc gag 153

<210> 1817

<211> 103

<212> DNA

<213> Homo sapiens

<400> 1817

gaattcggcc aaagaggcct aaaaaatatg ccattcttat ctgtttggtt ttttaattct 60
ggcttaatat ttgggggtga gtcatttggt ttgagaactc gag 103

<210> 1818

<211> 118

<212> DNA

<213> Homo sapiens

<400> 1818

gaattcggcc aaagaggcct agtgaagtgg agttatgggt tcattcaata gagtattgct 60
gattatactt gagtggaaac ctttctctac gtactccac agacgtcggg acctcgag 118

<210> 1819

<211> 456

<212> DNA

<213> Homo sapiens

<400> 1819

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gaattcggga aaagaggcct agcctgtatt tccagctact tgggaggctg aggtaggagg 60
atcatttgag cctggggaaa ggagggtgca gtgagccatg atcacgccag tgcagtccag 120
ccagcgcaag cgagtggagg cttgtcccaa aagataaaaa taagaaaaac ttcattcttg 180
gtctagacat ttgcagctga caaccattca acgatttggg ttttttttag tccatggatt 240
aaacaatagt gggtaagaa tgctttttga actttccttg aggaaactag ggaaaccacc 300
agtgcagtta taattcatac tgtgtgcctt ggccccgtca gccttgccgt gtccatgtgt 360
cagggtcccc agcctacagt ggattttccg ttacatccc aggatgattt aggaaatctc 420
tccagttttc aacagaacca gctgggcgcc ctcgag 456

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<210> 1820

<211> 618

<212> DNA

<213> Homo sapiens

<220>

<221> unsure

<222> (609)

<400> 1820

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gaattcggcc aaagaggcct aggttaaagt tttattaaat caagctttta aattatatat 60
ccacctacag tctataaaca aatatagtac acatgtatgt aaaaggctag cagataagaa 120
ccagtggaaa aactaaagtt ccttttgcac accggcacct catcaacaac cctcttgggt 180
gtggatgcca tggggccact gctgtagtca aaagttaaag gaaaaacca caagtttagt 240
ttgactccgt ctccatgggt ggatttcatt cagatatttg ttccatatta taggaggggtg 300
gatcctagca aggcaacagt gtagttttta cattcacaga ttggctgaag tagtacaat 360
tgagctgcta atctaggtgt ctccctccct gttaccatac ttcataagaa atgtgaatta 420
aaatgaacaa tggaccacag gtgggttataa aaatagataa ctgcagagat cataaatatc 480
tacagttagt agagcagaaa cttctaaaat ttaccttttt ccataatgtg cagaatatcc 540
taagtatgtt caagagacac agtcagcaga cttcagagtg gtaattacaa gggcattgggt 600
aaagaaatna cactcgag 618

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<210> 1821

<211> 575

<212> DNA

<213> Homo sapiens

<400> 1821

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gaattcggcc aaagaggcct actgtgggga ggtattcaaa ggtttectaa aacatcaggg 60
aagttcgcca gggaaagact cgttggttaag catgttctag ggagagctag tggtagacag 120
gcccaggcca cagcaggcct tgtagatggg ccagggtgct ttacctgtgc actaggggtg 180
gtacttgccc ctgcccctgg cctgtgtgtg gcttatcctc tgctgagacc attgtgggtc 240
tctggtgcca gaggcacca gaggtctgtg atctgcctgc tttgaggcgg gaagggttgt 300
tccagttctg ctttcccaag cgggtggctgt gggcaaccct tatgatccag gacgcattgt 360
catcttaacg agcagctggc tttacaccca gggcgagcag aggtcttaaa ttatgcccgt 420
tgtcctggag taatttagag cagcctcttt tgtattcagg catcctgggt tgcattgtaa 480
ggatatgaata cagttgcctt taaacagcac gatgaagtgg gcgggttatt gttctcattt 540
caccaaggag gataatgaac cttagcgatc tcgag 575

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<210> 1822

<211> 288

<212> DNA

<213> Homo sapiens

<400> 1822

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gaattcggcg ccgcgtcgac taagcccctg tattatcaca aattgtcaca tgctgtcatg 60
tattactttc tctttttctg taatgacctc agccctccat attgtcatgt attgtcacgg 120
attagcagtg cttattctga ccacgtagca gtgtgtttgg tgcattgtgc taatcaagat 180
ttagttaaat tattatactt tcatagttg acttgatatt tcattgggact gatcgctggc 240
gtggagccgg gcgtggaatg cgagtgccta gtgggccacc gcctcgag 288

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<210> 1823
 <211> 167
 <212> DNA
 <213> Homo sapiens

<400> 1823
 gaattcgcgg ccgcgtcgac gacatgcaac taatagccct tgaacagcta tgcattgctgc 60
 ttttgatgtc tgacaacgtg gatcgttggt ttgaaacatg tcctctctgc actttcttac 120
 cagcccttgg caaaattttt cttgatgaaa gtgtccaac actcgag 167

<210> 1824
 <211> 207
 <212> DNA
 <213> Homo sapiens

<400> 1824
 gaattcgcgg ccgcgtcgac ccttattttt aagaaaagaa aagaaattga agaagtgaca 60
 gaaaacttct taaatttggc aaacctaaat attcaagaag ctgggcaaac tcctaacagg 120
 aaaaactcag atccattccc agatactttt taagtaattt gctgaaaact gaaaacaatg 180
 aaaaaaatct tgagagcagc actcgag 207

<210> 1825
 <211> 222
 <212> DNA
 <213> Homo sapiens

<400> 1825
 gaattcgcgg ccgcgtcgac gtttaaaaag gagtagccta agattaattt aaaagattat 60
 ttacagatga cacatttatg gggtcactat ttaagtaaat ttgctgccct ccacagcctt 120
 ctaattttat ttatatgttc cagcagatta ttaggatctg ctacttctt aggaaagaat 180
 caatgctggc aacacattgt ttcagaaaca ccaagtctcg ag 222

<210> 1826
 <211> 165
 <212> DNA
 <213> Homo sapiens

<400> 1826
 gaattcgcgg ccgcgtcgac cctaaaccct catattcttt cctttatca catgttgttt 60
 cctctctat gctacctggc cctttctccc ctctcccaac ttgccccaca gctgctcccc 120
 ccaaccacac ctacgtggc caaccctct actcaccctc tcgag 165

<210> 1827
 <211> 145
 <212> DNA
 <213> Homo sapiens

<400> 1827
 gaattcgcgg ccgcgtcgac cttcattgct ctgtttgggt tcctgttttg caagggcaaa 60
 aactgaataa aaattatagc attctatctt ccagccacaa atgtgggtcct cagctctttc 120
 taattatata atccattac tcgag 145

<210> 1828
 <211> 205
 <212> DNA
 <213> Homo sapiens

<400> 1828
 gaattcgcgg ccgcgtcgac ctctgggttt gttcttatta tcattattga tgactttatt 60
 tgaagaaccc aaatatgttc tccccatttt ttcggatcac ttgttaatat ttttagtta 120

aatcattctc tggggagagt taaaagaagc agtccaggta gctggtttat tgtgtagagt 180
aacagataat tctgatgtac tcgag 205

<210> 1829
<211> 190
<212> DNA
<213> Homo sapiens

<400> 1829
gaattcgcg cgcgctcgac ttttctatta agcacaaaat ttaacttttt ttcagtctag 60
atattgattc tccagaacca tgctttggct tttctctctg tgttttctgc aggaaagtgg 120
atattatggtt actatgggtc ctgggcttat agatgaactt ccctttaact gtttaaatgtg 180
cacgctcgag 190

<210> 1830
<211> 177
<212> DNA
<213> Homo sapiens

<400> 1830
gaattcgcg cgcgctcgac actcccccat aacctctctg acacctcatt atttacacct 60
ccagacatac tagcccttta ttgtttctcc cccatggctg ttccttcttt ccttttgctt 120
ggagtacttc cctcctcac caagttcttc cccaatatct tcacagagtc gctcgag 177

<210> 1831
<211> 196
<212> DNA
<213> Homo sapiens

<400> 1831
gaattcgcg cgcgctcgac cactgggtcat gtatttattc catatttata tgggtctactt 60
cctgtggctg ggagcagcag ctctgaagg ttcctggggg gtgcgggggg ttggacagga 120
cactccttct tggaaaggac caattttccc agcccccact ccattacaca cacacacaca 180
cacacacact ctcgag 196

<210> 1832
<211> 305
<212> DNA
<213> Homo sapiens

<400> 1832
gaattcgcg cgcgctcgac gggggaaata aagcacatct gaaataatth tcaaaaacga 60
ttggcctctt caaagaagtc ataaatatct gacactcact gagaaataac tggcaactta 120
catgatcccc ccaaatcttg agctaateat tcatagaggg gaaaatagat aatgtatagt 180
gttacttcca tttgatgata atgatgatga tgatgatgat tatTTTTgtt attctaagac 240
tgagcttgc tctgtcacc gggtggagt gcaatgggtc aatctcagct cactgcaacc 300
tcgag 305

<210> 1833
<211> 266
<212> DNA
<213> Homo sapiens

<400> 1833
gaattcgcg cgcgctcgac actccccctg tggaagaaac cagctctgtg tcttccctga 60
tgtcttcacc tgccatgaca tccccctctc ctgtttcttc cacatcacea cagagcatcc 120
cctcctctcc tcttctctgt actgcacttc ctacttctgt tctgggtgaca accacagatg 180
tgttggggac aacaagccca gagtctgtaa ccagttcacc tccaaatttg agcagcatca 240
ctcatgagag accggcccat ctcgag 266

<210> 1834
<211> 231
<212> DNA
<213> Homo sapiens

<400> 1834
gaattcgcg cgcgctcgac ttcatttggg ttgtacatct cttaaatact ttcttctctt 60
gtctttcttc ccccaactttt ttttttttgc ttcattgctgt tgacttggtta tggaaaacctg 120
gtcagttatc ctgtagagta ctgtatttct cactccatat ttgtttgctt tcttgtgggtg 180
ttaatttggg cctctatcct ttggatttcc tataaaatgg aagtcctcga g 231

<210> 1835
<211> 217
<212> DNA
<213> Homo sapiens

<400> 1835
gagccccag taagttattg cagatcaagt cgccacctgt ttctaggatc acagaagggtt 60
cctatagatc agtctagcct acccgtttta ccagtggagg aaccaagcac caggaaagga 120
attggccatg tcaactcagt agcaaacagc tgagttgaca ctggaagctg gaagcttgtt 180
tgccagctcg ttgttcacat tatactcaag actcgag 217

<210> 1836
<211> 179
<212> DNA
<213> Homo sapiens

<400> 1836
gaattcgcg cgcgctcgac agaataacgt gcactatgat atctgtgttt gggttgtatg 60
atagttttcc atacactttc cttagcagca ttacataat taaggcatac ttcatttgca 120
cagacaatct gatttccct acccttcaact cacaaccctt aaaaccccc attctcgag 179

<210> 1837
<211> 188
<212> DNA
<213> Homo sapiens

<400> 1837
ctcgagaaat gggaattgca ttgagaaagt ttctttttgt ttttctaaat ggctttttgc 60
ctgagggaag gcctacgtaa gccacgtag gtaatagaat ccagatagaa actactgtct 120
tactgagatg aagaaccaga tgacagagtt cagagtgtat ctatcagggt cgacgcggcc 180
gcgaattc 188

<210> 1838
<211> 244
<212> DNA
<213> Homo sapiens

<400> 1838
gaattcgcg cgcgctcgac tctcaatgga cagcttagtc aacggaagct cagagaggtg 60
gtgtaacttg ccaaaagtcc cactacccag tgaatgtccc caggggtctt gcaccagga 120
gtctgacaca gagcccaggc ctcagcacct ggcgatgttt tgggggtgtg agcagcccag 180
cctactctgg gcacgtgttt acttgetgtt ccttctgcct catgtttgtg ttgccccct 240
cgag 244

<210> 1839
<211> 148
<212> DNA
<213> Homo sapiens

<400> 1839

gaattcgcgg ccgcgtcgac ttcttaaccg ttgcaagca ctattccctt gccgaacctt 60
taggatcggt gcacccgtga ttttccctaat atttatcatg cgtttagtgc tagccttttg 120
ttatgtatta tgcaggtgcc aactcgag 148

<210> 1840

<211> 596

<212> DNA

<213> Homo sapiens

<400> 1840

gaattcgcgg ccgcgtcgac atgaccttac gaagcttaac ccaaaggtag agagttcatc 60
cctttatatt ctgcattttg taaaatgtaa acaatgctta ttttgtgcaa aaataatttg 120
ctactagtct ttgtggaatg tgacttgata aggagtatta ggaattgttc atatcaatta 180
ttttaattac ttttttttca gtttgaaata gtttagagatt cgtaggaagt tgtgaaaata 240
atacagagat ctccctgtact tctcaccag tctttccagt ggggagaatc ttacaacact 300
aatagtgaat tatctaggtc aggaagttag catttggtata gtccacggac ctcaactcaca 360
tttccctggt ttgctgtaca tgtgtgtttc tcggcatcgt gtgtatagat gataaatact 420
aatatataat tatagaacaa atctatacac atgatgcttc ctccctccgc ctccctggga 480
tctttcatat atactgcata tatatatgca tggacaacaa ctataacaaa tatatgtata 540
gaataaatct aaactgcac atgtgtatag atttggttaag ccaccacaag ctcgag 596

<210> 1841

<211> 158

<212> DNA

<213> Homo sapiens

<400> 1841

gaattcgcgg ccgcgtcgac ctctggagaa tctatgcgaa tcaacctttc taccttaata 60
tctcccaaaa aatgtatagt gccttgtttt tatgtacagt ttatatacag aaaagtttgc 120
tctgcatttt tgatgatggt ttggaacatt atctcgag 158

<210> 1842

<211> 179

<212> DNA

<213> Homo sapiens

<400> 1842

gaattcgcgg ccgcgtcgac ctaaagaaaa ctaagatata aactaccaag tgctcttaag 60
aataaaaata agaataagaa tacaaaggag cactactctt ggctacacga aagatcttgg 120
gattcatgac actgagggca gggagaagaa agaacaccag ccacgcagag aacctcgag 179

<210> 1843

<211> 189

<212> DNA

<213> Homo sapiens

<400> 1843

gaattcgcgg ccgcgtcgac gtctcataaa aattgaagca aacctagaag gcatgaaaca 60
tctggcagcc aattccagat gaagcttaat tttgcctacc tttgttttat tatctttttt 120
ctttttcaca gagggctctt tgagcagtggt tgtgagttta acctagcaat ccattggagct 180
gaactcgag 189

<210> 1844

<211> 217

<212> DNA

<213> Homo sapiens

<400> 1844

gaattcgcgg ccgcgtcgac caggatttat ggaaagagga aggaaggcac agaactgggg 60

caagggttctg gttttgttct gttattttct tgcattgtt actgtttgtt tttctttttt 120
 tgagacagag tctcgcaatt gtccccagg caggagtga atggcgcaact cctggctcac 180
 tgcaacctcc acctcccagc ttcaagcgat tctcgag 217

<210> 1845

<211> 326

<212> DNA

<213> Homo sapiens

<400> 1845

gaattcgagg ccgcgtcgac cacaactgga ttttttagtt ataacagcca gaactggagt 60
 cttccattcc agtgtatttt ccttcatttt aagggtgaaa taagacctgg atccaccaag 120
 gtcttgggac agattgaaga aagacctga gcagggctgt tttttgcctc tgaaggctgc 180
 cttcctgaaa tctcatgagg ggactatgct tagttcctgc tgtttccaca gttcttagga 240
 aaatgcagcc tatcttcac ctaatttctc tgtcaacttc tgctctgtca acttctgagg 300
 gacatttaaa gcaaccacag ctcgag 326

<210> 1846

<211> 189

<212> DNA

<213> Homo sapiens

<400> 1846

gaattcgagg ccgcgtcgac acgtaattct ctgcatttgg cactacatac gagaaatata 60
 attttaatta gtacttcaaa gcatactaaa tttctaattc attgtgagct ctattcattg 120
 atattatttc attttgacat tgacagtaaa ataggttgaa gtatgcttat taaaaatga 180
 actctcgag 189

<210> 1847

<211> 180

<212> DNA

<213> Homo sapiens

<400> 1847

gaattcgagg ccgcgtcgac caagagtatt tttatcaagg gtgagagtct aatgaagtca 60
 atcaaattat cctatttaat cctaaattat catagttatt ttataaatc cagaaaaaca 120
 agcctttctg cagtatctga gaaaatgtgg tatgaccatt caatccatgg gcacctcgag 180

<210> 1848

<211> 117

<212> DNA

<213> Homo sapiens

<400> 1848

gaattcgagg ccgcgtcgac ttgaattctc gacctgcctc gagctactta ttttataatc 60
 tttgtggcta gacctggaat gctggctttg tttttctggg cctctctccc tctcgag 117

<210> 1849

<211> 407

<212> DNA

<213> Homo sapiens

<400> 1849

gaattcgagg ccgcgtcgac ccagctgatt ctgactcttg ttctattgtt tcagttgatt 60
 ttgtttacag tcttttaaga ggcattggtt tgctcaaac atttttaact gttttctttg 120
 tgtacttaag aatgactggg ttactcctaa attgtgctct aaagtacagt cctctttctt 180
 ggacaggatc catgctgcag aatgggtgtc ctgattttga gaccaagtct tgactatgc 240
 actctattca caattctcaa caaccagga atgtcgccaa atctctctca agacctacca 300
 cagaaactca gttttcaaat atggggatgg aagatgttcc cctcgccacc agtaaaaagc 360
 taagttccaa tattgaaaaa tctgtaaaag acctccggca actcgag 407

<210> 1850
 <211> 175
 <212> DNA
 <213> Homo sapiens

<400> 1850
 gaattcgcgg ccgcgtcgac gaaatatttc tctaagaaaa ataatttacg gattgatctc 60
 tgtcttaaaa atgacctttg catcttgctg tagccttcag caaactgcat ttgttgcttt 120
 gcaggacagg gcagtgttcg ggttgaagtc ctgtgttctg atcgggattc tcgag 175

<210> 1851
 <211> 194
 <212> DNA
 <213> Homo sapiens

<400> 1851
 gaattcgcgg ccgcgtcgac aaacagtga tttattggtg ttctagaatc attaaattcg 60
 ctagagaatt tgctagtga tttggattgc ttctgaaca tttttctggt cttctgtagt 120
 gctccctctg agcattgtag aagtgttcca gcaccttat gaagaccaca ttcattttgt 180
 cagggatact cgag 194

<210> 1852
 <211> 204
 <212> DNA
 <213> Homo sapiens

<400> 1852
 gaattcgcgg ccgcgtcgac tgtacttagg tgctattttt ctatgtcgtt tctcttttta 60
 tttggtgaat accaaaacgt tagtatttta aacatatgct ttagttctga cactgaattt 120
 gtagttacga tatgttatct cggatatagta gtctcctctt atctgtgggt tctgttacct 180
 gtgggtcaact atgggtccct cgag 204

<210> 1853
 <211> 199
 <212> DNA
 <213> Homo sapiens

<400> 1853
 gaattcgcgg ccgcgtcgac gtatatagta ggcactcagc ataaattcgt tgaacaaaat 60
 aaataagata tagagccact ggagcacaga ggacagggtc tttctggctg aaggcactaa 120
 ggacagtttc accgagaaga ttttgaggag agtcgagcta aaaatgagga ggattttgat 180
 agaaggatgg atactcgag 199

<210> 1854
 <211> 149
 <212> DNA
 <213> Homo sapiens

<400> 1854
 gaattcgcgg ccgcgtcgac ctgtatcaaa tggaacataa tataataaat gtaaatgtaa 60
 catgttataa tcatgttaca gtcattacta cccctcttat ctcttccatg acgtcttttc 120
 tgatgtttct tcattcccca ttactcgag 149

<210> 1855
 <211> 177
 <212> DNA
 <213> Homo sapiens

<400> 1855
 gaattcgcgg ccgcgtcgac ctttgctttg gtagtcttcc cagaaaggat aaacagtggg 60

ttttgttttg ttttgtttta ttgtttaagt gggaccaactt agcttcccgt ttcettacta 120
gttaaagaac agacattaat tttcagttga atgtattttt gcaggcatct actcgag 177

<210> 1856
<211> 237
<212> DNA
<213> Homo sapiens

<400> 1856
gaattcgcg cgcgctcgac ggacaaagaa tgcccatca ctgccctcca gaacatgcta 60
caaaacttgt ctctgcctct tcagctcctc tcccccttcc tgagctgctc ggatctcttc 120
ctcaatcatg gacaaagtc gctgtttcct ggacctcagc ttgaaaggcc caaccatcac 180
gtcagattct tgagtggcca ggagggaggc tgtgcttctc agctcagctg cctcgag 237

<210> 1857
<211> 257
<212> DNA
<213> Homo sapiens

<400> 1857
gaattcgcg cgcgctcgac tgggtttggt acagagcagg agaagcagag gttatgacag 60
ttatgcagac tttcccccctc ctttttctct tttctcttcc ccttgctttt ccactgtttc 120
ttctgtctgc cacttgggccc ttgaattcct gggctgtgaa gacatgtagc agctgcaggg 180
tttaccacac gtgggagggc agccagtagc tgtccctctg ccttccccac tttgagaata 240
tggcagccca actcgag 257

<210> 1858
<211> 238
<212> DNA
<213> Homo sapiens

<400> 1858
gaattcgcg cgcgctcgac cagccatact cctctcgatg ttcagatgct ccttctcttt 60
ttctctctgc cgtgccgttc tgccactctg ccagtcttct gctctctctg tcttggagcc 120
tggggtttgg ggtttctacg ggtacaggat agggaggcat ggcgggcca aagcaacact 180
tgagtccgaa aacaggaata cctgttccca tttagggccg cagggtttcca agctcgag 238

<210> 1859
<211> 160
<212> DNA
<213> Homo sapiens

<400> 1859
gaattcgcg cgcgctcgac cagaagtatc ttggtgactt ttttgagtta agccatccat 60
cagtatttct ttctctgggg tagtagttaa catgaatttt aatctttggt ttgctttgct 120
aataactggt atattttcag gctatgcccc cccactcgag 160

<210> 1860
<211> 190
<212> DNA
<213> Homo sapiens

<400> 1860
gaattcgcg cgcgctcgac tataccttca cccaagctct tctctctcct taagtcaccc 60
gtctacagtc agtcccacc caccagctg ctcttctctc tcttctctat acaaaacttg 120
agtgtcatct cctccaagaa gacttttcaa ctctgttaga ccaatgttct tcaaaccttt 180
tttactcgag 190

<210> 1861
<211> 152

<212> DNA

<213> Homo sapiens

<400> 1861

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gaattcgcgg ccgcgtcgac tgcttctgca aaactattac tgttgataaa gttctttttc 60
attgcttaat tttcttctct gttaacagtt acaaagaagt ttttctgag atggacatga 120
tggtcacac atgtagtcce agcttactcg ag 152

```

<210> 1862

<211> 111

<212> DNA

<213> Homo sapiens

<400> 1862

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gaattcgcgg ccgcgtcgac gagtgggcag ctgtgtgttc taaattgggt catgttgggc 60
aaagggtac ttttaaaat tatgttaaaa gttcttacat atccactcga g 111

```

<210> 1863

<211> 199

<212> DNA

<213> Homo sapiens

<400> 1863

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gaattcgcgg ccgcgtcgac caattcttag caaaggggaa tatcgaattc agattttgaa 60
aaaataagtc atcatgcttc ctaaaataag acagcttctc cctctaactg ctctctctgc 120
tctggtattc tatctaata taaacccagc tttattattc atttcaactc ctgccaaaga 180
catgaggctc gcactcgag 199

```

<210> 1864

<211> 257

<212> DNA

<213> Homo sapiens

<400> 1864

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gaattcgcgg ccgtgctgac attgaaagct agaagaaaag gtgtacttgc aagaaacctc 60
aggacttgag taacagcaac atggtaagtt ttctaagttt tcttttcgtc tcccatatac 120
gctgggctgt gctggaatca ccaacaggca cagaaaaaat gacaacaaaa caacaacaaa 180
acccccaaga atatcctgtt ctctttggcc aaagtccagg aaagggggag cccaacagag 240
acccagtaca gctcgag 257

```

<210> 1865

<211> 135

<212> DNA

<213> Homo sapiens

<400> 1865

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gaattcgcgg ccgcgtcgac gacagaaact gagaaaatga cacacttgga gagtttggtc 60
gaattaggtc tgtcttctac gtttagtaca atctcacc ccaatgttccaa agaaatattt 120
atggtggcac tcgag 135

```

<210> 1866

<211> 189

<212> DNA

<213> Homo sapiens

<400> 1866

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gaattcgcgg ccgcgtcgac cccttcttgc cacatagcag gtacactcct acttcatggc 60
tttttgcat tgcgtttct tctgtctaca atgctcttcc tccagaaatc catgattctt 120
tccctgtctc ctttgagtct ttgctttaac caaatattat cttttcagat aggtcttccc 180
tgcttcgag 189

```

<210> 1867
<211> 237
<212> DNA
<213> Homo sapiens

<400> 1867
gaattcgcg cgcgctcgac aacatctgta ggaggcctac cctttactaa tttcttct 60
acttacttag ggggtgtgccc ttgtgattca gttttgttac tttaaaaata attacaaaca 120
aatctatttt tctcactaaa gtaccaaata aatcagaatc tttcactctt ttaaaacaga 180
cccttcgcta tgtttgtctc tttgtctttc ttgtctgttt atgcaattcc actcgag 237

<210> 1868
<211> 307
<212> DNA
<213> Homo sapiens

<400> 1868
gaattcgcg cgcgctcgac ctttctttat gttgttgta cttctgatgt ctacaccga 60
agggctatatt atgaacagaa gaaatattat tatgcttttt ttttttgaga tgggtgtctca 120
ctgtgtcacc cagactggaa ttcagtggca tgatttcagc tcaactgaaac ctctgccacc 180
aggggttcaag cgattctctt ccttcagcat cctgagttagc tgggattaca gatgcctgcc 240
actgcacacg tttgagcaga ccaattatga ggcaattctc ctaactctgc ttccagaagg 300
tctcgag 307

<210> 1869
<211> 179
<212> DNA
<213> Homo sapiens

<400> 1869
gaattcgcg cgcgctcgac aaatttaatt tttccttttg ttacttttca tttgcctcta 60
attttgcttg ctcatatttc tggccaatgt acagcctcat atttttcaga gtaatacaga 120
tacttgttct cattccgtat atgagcacia gtaagggttc agagcaacac aactcgag 179

<210> 1870
<211> 200
<212> DNA
<213> Homo sapiens

<400> 1870
gaattcgcg cgcgctcgac cgtatatga tttctgtct tttcagcctg tttttcttct 60
cctcagccac ccttaccttc tgtttttggt tcctttttat tctcattctt ctggctgcat 120
tctcttcttc agtttcatgt ctccccttct cctcttgctc tgtacccctt ggcccccaag 180
ttcctcccca accactcgag 200

<210> 1871
<211> 137
<212> DNA
<213> Homo sapiens

<400> 1871
gaattcggcc aaagaggcct acaattcttt cgaggactgc gaagagggga aaaaacgacg 60
agatgaaatt gtacttggtc gcagccgtgc tgatgtttgt acttgetgta cacacagagg 120
ccccggagga actcgag 137

<210> 1872
<211> 196
<212> DNA
<213> Homo sapiens

<400> 1872

gaattcgcgg ccgcgtcgac cattatctcc ccaccccaga tttcttctga cttgaattcc 60
tgctactctc tttttgtttg ctctgctcta accctactgg ctgccttcta cctctgggtc 120
ttcgcactgc tgtttcetta gccttaaacc ttcttcagcc gcttacacca tgaacctttt 180
catatcctta ctcgag 196

<210> 1873

<211> 174

<212> DNA

<213> Homo sapiens

<400> 1873

gaattcgcgg ccgcgtcgac gcattgagcaa gaaactgcct gctttacaat tgccattttt 60
atttttttaa aataatactg atattttccc cacctctcaa ttgtttttaa tttttatttg 120
tggatatacc attttattat gaaaatctat tttatttata cacattccct cgag 174

<210> 1874

<211> 174

<212> DNA

<213> Homo sapiens

<400> 1874

gaattcgcgg ccgcgtcgac gaagtctgat cacctcagga tggtgaaacc gagttcttct 60
ggagaacata ttggaaataa taaagttagt tgccctgatca gttgtttcgt tactctgtct 120
tttctgttgt tgttgttgag atggagtttc gttcttggtc cccacaagct cgag 174

<210> 1875

<211> 106

<212> DNA

<213> Homo sapiens

<400> 1875

gaattcgcgg ccgcgtcgac attttatctc acctacctca aatattttctt ttttttttaa 60
tttaaaaaag atgaaacact tgaccaatct gcgtatcctc ctcgag 106

<210> 1876

<211> 246

<212> DNA

<213> Homo sapiens

<400> 1876

gaattcgcgg ccgcgtcgac tgccctgaac gcttcccat attttctatt ggaaaaataa 60
ggtttgtttt ccagtaagat atttcatttt ttaaaaaaat ctgcttctac tcaaggetgg 120
ggttctattt gtttttaaat gaagcccacc aaacctccca agtgcaactc agattttacat 180
ctggctaate ctgcaaatat gaccaacca attcatgctg tttattttat ttattttttt 240
ctcgag 246

<210> 1877

<211> 236

<212> DNA

<213> Homo sapiens

<400> 1877

gaattcgcgg ccgcgtcgac tattgaaaaa tattattttat aagtacttgc cttatttctt 60
tgaagtctgt ttatttttagg aggatttgtt ttcaacaaga cttaaagagt actaaggaaa 120
gataatttgt ttccaacac agtgtatcca aaataatttc tgtggaatat taatattgaa 180
ttgtcatgga aaattctaaa ctagaatatt attacacgaa agcaacaaca ctcgag 236

<210> 1878

<211> 385

<212> DNA

<213> Homo sapiens

<400> 1878

```

gaattcgagg ccgcgtcgac ggctattatt ctcatttttg atagggttcc ccaagaatta 60
tctgtttcca cagacactgc atagggtcca ttagttgctg tggaaagtga agtaatttat 120
tctaggaact gtgactgtgt gctgtgaaaa gattgcattt tgtaaataata atttctacgg 180
cgttctgttg atggggcctc tcaaatactt cttggacctg tccccctcat ttcttctcca 240
ctgtcttagt tcacaccett gcctgcactt ccattgtttt agtttgtttc cattcatacca 300
tctcgccctat ggctccctga gtgctttttc tgaacaaaac ctgactcattt cacttcctgg 360
aacaccctgc cacataccac tcgag                                     385

```

<210> 1879

<211> 255

<212> DNA

<213> Homo sapiens

<400> 1879

```

gaattcgagg ccgcgtcgac gcctgttata cttccaagtg gagatgttga gtagacagat 60
ggatgtatga atggggcagg gggatccctg aaggaggagg tataaagggt ggagtcatta 120
acatacagac agtacttgat gtcataagag atgacagat aattactaag aggcaaaata 180
tagatgagaa aaggattgag ccgtgagcac tcccacctg aaagtctggg gatttgagaa 240
tgaccacagac tcgag                                     255

```

<210> 1880

<211> 170

<212> DNA

<213> Homo sapiens

<400> 1880

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gaattcgagg ccgcgtcgac ttatggccct ttagtaatat gtttaaaacta acatgttttt 60
tgtacattgt tttctgtaca acaacgtatt tggccctaaa ctgcattggg cagtttagaa 120
cacacatcca tcatgtaaga tacaagcagt atgatggagg cgctctcgag 170

```

<210> 1881

<211> 647

<212> DNA

<213> Homo sapiens

<400> 1881

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gaattcgagg ccgcgtcgac agattgacca cattgatcac aatatgggag tctggagaac 60
gggtaccatc ctcagcagcc tctctacta caccaacttc atcttcgaca ccttctgttg 120
cttcagtagt ttcaaaagggt ggcttttcca ctggagttgc ttcaacttagc tctacaatca 180
acctatgttg acatttatcc agaacagctg gggatcaacc gtttaacctg tccacagtgt 240
cgagtgcctt cccaatggtc agccaccagc tctttggtct acattcagcc agctcagggc 300
attcagaatt tgggtggttg gggacacttg gtacacccac agccttagcc gcacatcccc 360
aactagcacc ttttccaggt gcagaatggt ggcgaacaac tgatgctcat actcgtacag 420
gagcaacctt ctttccacca ttactgggaa ttccaccact atttgcctcc ccagcccaga 480
atcatgattc ttcttcattc cattcaagga cttcgggaaa aagtaatcga aatgggtccc 540
aaaaagggtg aaatgggtca ataaatggaa gtaatacatc atctgtaatt ggtatcaaca 600
catctgtact atccactact gttcaaggt ccattgggact cctcgag 647

```

<210> 1882

<211> 545

<212> DNA

<213> Homo sapiens

<400> 1882

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gaattcgagg ccgcgtcgac cttgagaaaa accttcataa gcagaatcag agaaaaactt 60
ttggacattg tactgctttt aggagttcac agctttccaa atttgataaa ctaaaaatcc 120

```

```

aagctctacc tggtaggcag cttgtggttg tggtcagaga aagctttaat cataagtagg 180
gtgattggta gaactccttt cctcctaatt ttctcttaaa ctgctgaag tttttcaatt 240
tactttttca tagtaccoca aattctacta gagataagtt tgtgggaaga gtgccaaata 300
gaaggtacag tacaagtaga aggcaaggag gtagcatatg tatctggaaa acagtaaata 360
aatcagtgca tgtaactgaa aaatatacag tcagccacac tgcctccaa aactgtattt 420
ccagcgttct cctggacctt ctgggcactt ctaattgctt attattatta ttttcagaaa 480
gtgtctcact ctgatgcagt ggcgcgatct ccgctcacca caaccttcac caaccaggc 540
tcgag 545

```

<210> 1883

<211> 175

<212> DNA

<213> Homo sapiens

<400> 1883

```

gaattcgagg ccgcgtcgac tgagtccttt ggtaacggtc ataatactca caaggaaata 60
aatattcagt tccatggcat ttgcaagaca catgttcttt aggacagtta atattatgac 120
acatctgttt tttttgttta ctaaggcagc ctatgtttaa gggctctgct tcgag 175

```

<210> 1884

<211> 336

<212> DNA

<213> Homo sapiens

<400> 1884

```

gaattcgagg ccgcgtcgac cctgtgattt ctcaccagct tcctttccac ataggccgct 60
gcttctcttc ttccaagggt ttcccccgtt ttgcctcct ggaggttgta tccctgggtgt 120
taggagactg ggttcgggac acattcccca cagaaggata gcaggacctt agaagatctt 180
ttctctcttc ttccctgggtt cctcttggtt gcaagagggt tgaataggat ggtctctaaa 240
atcctgttgt tttctgggtt tatattaacc caggccataa tgataagaac ctgctctgaa 300
ttcacacat gtatttatat aacagcaaaag ctcgag 336

```

<210> 1885

<211> 536

<212> DNA

<213> Homo sapiens

<400> 1885

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gaattcgagg ccgcgtcgac aaggcatcca aaagataggt aaatccctac tggactttgc 60
tggtgtcttt gttgcatagt taccgtggag taagtaatcc tagttattta tatatattta 120
tcatttaact gcttgccttc ccacaaatgg aaccactttt tatgtccata atcctatttt 180
caccaatatt ggggggtccag cttcaatacc aagtgtttaa acagattcaa cagttagcca 240
cgctaactaa ctttaacttt tggtacattt gtacctcagg atcactatca gctgaagttt 300
taccattacc attagaagat atagtcaagg tcaatgccag agtcaactgt gccaccagc 360
cagaagttac atatcccagt ccagctgtgg aaagcttatt cctaaccagtc ttatctcaga 420
tcataagaaa caacccaaat ttaaatttta caaatgcccc aaatcctgta agggtttttc 480
acaacctaac ctcagacagc caattcccaa tttgtttcac ttcccacat ctcgag 536

```

<210> 1886

<211> 411

<212> DNA

<213> Homo sapiens

<400> 1886

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gaattcgagg ccgcgtcgac cacagaaatg cagggaccat tgcttcttcc aggcctctgc 60
ttctgtctga gctcttttgg agctgtgact cagaaaacca aaacttcttg tgctaagtgc 120
cccccaaatg cttcctgtgt caataacact cactgcacct gcaaccatgg atatactct 180
ggatctgggc agaaactatt cacattcccc ttggagacat gtaacgacat taatgaatgt 240
acaccacctt atagtgtata ttgtggattt aacgctgtgt gttacaatgt cgaagggaat 300
ttctactgtc aatgtgtccc aggatataga ctgcattctg ggaatgaaca attcagtaat 360

```

tccaatgaga acacctgtca ggacaccacc tectcaatgg caaccctcga g 411

<210> 1887

<211> 130

<212> DNA

<213> Homo sapiens

<400> 1887

gaattcgcg cgcgctcgac gtgtgtgtag gatgccacaa acaaacccca gggtcgggct 60
gtgtgtgtgt gtgtgtgtgt gtgtgtgtgt gtgtgttaga tgccacacac aaaccccggt 120
gcccgtcgag 130

<210> 1888

<211> 495

<212> DNA

<213> Homo sapiens

<400> 1888

gaattcgcg cgcgctcgac taaaccgcct cctgtgtgct tcatggccat ggctccttct 60
gcctgtgttt tttctttttt ttctcaaccg tctcttttct ggctccctta tttctctgtc 120
tgctcccggt tccctctttt gccttggttg tttctctctt gccgtccgt ccacacgctt 180
cccgggttcc tgcccgcaca gggcattgcc acagggaggt accacgccgc ggtgctcacc 240
aacagcgctg agtgggaggc cgcctgtgtg aaggcgggca ggaagtgtgg ggacctggtg 300
cacccgctgg tctactgcc cgagctgcac ttcagcgagt tcacctcagc tgtggcggtg 360
atgaagaact cagtggcggg aggtttggag cctcgaacct ggagcctgcc acatgggtgg 420
agccgggcag gcggagccct gccttcaggg tgctggtgca cccagggagc tggggccccc 480
cagaagcaac tcgag 495

<210> 1889

<211> 363

<212> DNA

<213> Homo sapiens

<400> 1889

gaattcgcg cgcgctcgac gccttgacac acttatagaa tgggtggagag aaaagaatgg 60
ttccttttgt tcccggctta ttatcgtatt agacagcgaa aattcaaccc cttgggtgaa 120
agaagtgagg aaaattaatg accagtatat tgcagtgcga ggagcagagt tgataaaaac 180
agtagatatt gaagaagctg acccgccaca gctaggtgac tttacaaaag actgggtaga 240
atataactgc aactccagta ataacatctg ctggactgaa aagggacgca cagtgaagc 300
agtatatggt gtgtcaaaac ggtggagtga ctacactctg catttgccaa caggaagctc 360
gag 363

<210> 1890

<211> 363

<212> DNA

<213> Homo sapiens

<400> 1890

gaattcgcg cgcgctcgac gcagacgatt tgtagtacc tagattgtga acgatcttgt 60
gaagctgaca ttttgaagaa caccagttat aagggaattt ttcagttaat gtgcagtaaa 120
agttgctgtg tttatttcca taaaatttgc tggaaaaagt tcaagaattt aaagtatcca 180
ggtgaaaatg atcaggtatt atattcgctc ttaaaactac aacagcattt ctccctctac 240
cctttctctt tttgttctct tcccacgtt ttcttctgtt tcataacttc cctcctgctt 300
tttaacttct cctttttttt tttttcttta acttccctct ttgtttcttc ccaatctctc 360
gag 363

<210> 1891

<211> 425

<212> DNA

<213> Homo sapiens

<400> 1891

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gaattcgcg cgcgctcgac gccggaggag aaggaagga aggggcatca caggcgcaaag 60
gctgggaggg ttcaagtctc aagatagaga ggccacggcc agctgctcac ccaaagagaa 120
agcaatttta actctagagg taccacaacag gcaatataag atggatatta aggtcgtaga 180
ctctagagac aattggaact gaagtctaaa cagctagcag gaacttagac aagtcaatta 240
atcattctaa gcttgcttcc ttgtctgcag aatggaatag taatagcctc atcatagtgt 300
tactgtgaaa ggtaaatgtt tataacatgc ttactaaaat gcctgttttt atagtaagtg 360
ctcaataact agaagctatt actcattcat gtattcaata catattactg agtgcttacc 420
tcgag                                           425

```

<210> 1892

<211> 304

<212> DNA

<213> Homo sapiens

<400> 1892

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gaattcgcg cgcgctcgac cctaaaccgt cgattgaatt ctataacagt gcaataaggg 60
aaataacatg caggatatct actttattat ttctctacac ctttcatggg ggtgggggct 120
acagatgggtg cctcactgtt gcatgacatg tccgggagtg gctgatgttg cctgttggac 180
tgaaacctgt gtgggtatttg agacacactc ccaccccatc aggcctctgt gcacctacc 240
tggtaccaga ccaccacagg acatcaggga agtttgctg agacccaag tgcgcagtct 300
cgag                                           304

```

<210> 1893

<211> 229

<212> DNA

<213> Homo sapiens

<400> 1893

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gaattcgcg cgcgctcgac ccgtctccca catcctttct gagtggatgc gcttgtcttt 60
ctgcttgaac tctagtttga tttctctgt gctgggggca ggggagctc aactgctgac 120
agagaatgag gacttttcca cccacacccc cccacttct gtttctgaat gctgctgtcg 180
ggctgcctgg gccagggtct atggggccca gctggaggct tccctcgag 229

```

<210> 1894

<211> 437

<212> DNA

<213> Homo sapiens

<400> 1894

```

gaattcgcg cgcgctcgac cctgcccag cctgttttat acacaccccc tttatatagg 60
ttgtccctc tatgtccttt cttccctttt ccttttctc ttggtttcaa aatcatttgg 120
ctatgagcaa gttataacta taactggacc tgacttttgg caatattcac aactatttag 180
gagttcttgc aaagacagaa aaatcaacct acaagtgtgt ttcaaaatac tactcatttt 240
ctttagttga cattccacgt ttttagacat ttaattaaat atttatgttc aatttggttt 300
cgtttgtttg tttgtgtttt tttttgagac aatgtctcgc tctgttgctt aggttgagg 360
gcagtgggtat gatcatggct cactgcagcc ttgacctccc aggtcccagc aatcctccca 420
cttcagccac gctcgag                                           437

```

<210> 1895

<211> 279

<212> DNA

<213> Homo sapiens

<400> 1895

```

gaattcgcg cgcgctcgac gtaactaaat acctctttac ttcactgcta tttataaggt 60
cccttttggg ttttgtttat taataatcat ctagaattca aataaatgca tatgccactc 120
ttgccactcc tcttcagcat agtactagaa gtcctagcca gagcagtcag acaagagaaa 180
gaaataaagg gcatccaaat cggtaaagag gaagtcaaac tgtcagtgtt tgccgactat 240
atgatcattt accttcaaaa ccctaaggat aacctcgag 279

```

<210> 1896
 <211> 252
 <212> DNA
 <213> Homo sapiens

<400> 1896
 gaattcgcg cgcgctcgac aggaaccaca gcaatgaatg gctttgcac cttgcttcga 60
 agaaaccaat ttatcctcct ggtactatct cttttgcaa ttcagagtct gggctcggat 120
 attgatagcc gtccctaccg tgaagtctgt gccacacaca caatttcacc aggaccacaa 180
 ggagatgatg gtgaaaaagg agatccagga gaagaggga agcatggcaa agtgggacac 240
 atggggctcg ag 252

<210> 1897
 <211> 127
 <212> DNA
 <213> Homo sapiens

<400> 1897
 gaattcgcg cgcgctcgac cctgtcctgt gctaggctct taacgtcctt cccagatggt 60
 atgtcccttc ccttgggtggc tgctgcttct tgccacattt taacctgccc ttccgcacca 120
 tctcgag 127

<210> 1898
 <211> 441
 <212> DNA
 <213> Homo sapiens

<400> 1898
 gaattcgcg cgcgctcgac aaataaaca cttagtctact cttagatttc agaaatgctt 60
 tttaggatgg tcacttgtgt ttggggacaa atggcaagca gttatttctg gagaggtagt 120
 gaacatggcg attccaactca ctggctgggt gggtccttcc ttcccttcc ttcccgagag 180
 agccccctgt tgagctctgg cttggccctt gaagtgtctg cggctgccc ggggaacttt 240
 cctgggggtc cacctgctga ttgttcaaat ggcaagccag cagccgcgtc aacacctgct 300
 cctcacacac acgctgcctg tcacctctg cagctgcgtc tgcgccccg ccacacacac 360
 actgcctctc accctctgcc actaatctgg ctccttcccc tgagccccct ctccttgacc 420
 tgaccagggg tcctctctga g 441

<210> 1899
 <211> 313
 <212> DNA
 <213> Homo sapiens

<400> 1899
 gaattcgcg cgcgctcgac gttgaattct agcgtctgtg gagaagaaag tcatagagtt 60
 atcagaactt tgaggccttt ggttgcata ggagtttatt ggatatagat tttttgttgc 120
 ttggtttttc tcagtctaa tgataataa aatgataact aacatataca tagcacaatg 180
 cctggcattt tcaacatgtt ttccatctac tgagatattt aacttgcaa gccatcttag 240
 gtatacagtt acagtagtcc tctgccttat ctggtttcag ttaccacag tcaaccacgg 300
 tccggaactc gag 313

<210> 1900
 <211> 237
 <212> DNA
 <213> Homo sapiens

<400> 1900
 gaattcgcg cgcgctcgac accgtcgatt gaattctaga cctgcctcga gccatccgcc 60
 caccacacac cttcttattt tgcgtcctag gtccctgttc tcaatttttt caaaaaaaaa 120
 ttgtattaga atatgcataa cataaaagt accattttta ccatcatggg gctttgtttg 180
 tttgtttgtt tgtttgtttg tttgagacag agtcttgcct tatcaccac gctcgag 237

<210> 1901
<211> 315
<212> DNA
<213> Homo sapiens

<400> 1901
gaattcgcgg ccgcgtcgac gtgcatttcg tatacaccac gggggccctg gaaccaagac 60
ccctctcttc tgccttgctt actggctgct gtgactctta ggagctctcc tacttggtcg 120
gcgggtccct cccagtctcc ttgtctgttt catcctttgc tctgcctctt aatgttagcc 180
agcatccagg gctcattctt gggccccctt ctattctctc tacacatgaa ccttggggct 240
ctctcccagt ccttgggtgt aaataccagc tataggccta tgacttccca gtctcaatct 300
ccagccagac tcgag 315

<210> 1902
<211> 304
<212> DNA
<213> Homo sapiens

<400> 1902
gaattcgcgg ccgcgtcgac gtgagaaatca cttgaacctg ggagacagaa gttgaagtga 60
ccccagatca caccactgca ctccagcctg ggcaacgagc aaaactccat ctccagaaaa 120
aagattgggg atttaatttt cgctaggctt tacgtctcta gaagataaga tctagttctt 180
ttttttctgt cttttaacat ttatgtttaa aatatacaag gaatgcagaa tgcattatta 240
tgctgttttt atgcagtttt atcttttgag tgccttagat gcacttctga ccccatccct 300
cgag 304

<210> 1903
<211> 364
<212> DNA
<213> Mus musculus

<400> 1903
gaattcggcc aaagaggcct aatttaaaag aacacaaaac tattaatgat taatatgtta 60
aaatgtacaa tggatgttaa atactttctt tgacttaatt actgctttga actttattaa 120
tgtatgattt ttgtaggcat ttttggctgat tcttttacta agtattttta atttaacgaa 180
ttcctagggt gctgtgctgc taatggatac ccagggtgcc tttgatagcc agtcaacat 240
taaagactgt gcgacagtgt ttgctctgag cactatgacc agctctgtgc aggtatataa 300
tttgtctcag aatattcaag aagatgatct tcaacatcta cagttattta cagagttgct 360
cgag 364

<210> 1904
<211> 500
<212> DNA
<213> Mus musculus

<400> 1904
gaattcggcc aaagaggcct agggaggaaa gtttcatcag cctctggtg ctctactgcy 60
ttctggctgc cactccaact gctattattt tcattggtga aatatccatg tatttcataa 120
agtcacaag ggagtccttg attgctgagg agaaaaatgat cctgacaggg gactgctgct 180
acctgagccc cttaactccga aggatcatca ggttcctcgg ggtattttgca tttggacttt 240
ttgctactga cttttttgta aacgcggggc aagtcgtcac tggtcacctc acaccatact 300
tcttgacagt gtgccagcca aactatacca gtacagactg ccgggcacac caacagttca 360
tcaacaatgg caacatctgc actgggggac tggaaagtgt agaaaaagct cggagggtcct 420
ttccctccaa acatgctgct ctgagcattt actccgcctt atatgccacg atgtacatca 480
caagcacat caaactcgag 500

<210> 1905
<211> 514
<212> DNA
<213> Mus musculus

<400> 1905

```

gaattcggcc aaagaggcct atttcacat ggagctctcg cggcggatct gtctcgtgca 60
actgtggctg ctgctccat cgttcttact gggcttcagc gcgggatctg ccateccactg 120
gcgggaaccc gaaggcaagg aagtatggga ttatgtgact gtccgaaagg atgccacat 180
gttctgggtg ctctattatg ccaccaaccc ttgcaagaac ttttcagagc tgcccctggt 240
catgtggctt caggggtggtc cgggtggttc tagcactgga tttggaaact ttgaggaaat 300
tgccctctct gacacccaac tcaagcctcg aaataccacc tggctgcagt gggccagtct 360
cctgtttgtg gataatcccc tgggcacggg cttcagctac gtcaacaaa cagatgccta 420
cgcaaaggac ctggacacgg tggcttccga catgatgggt ctctgaaat ccttctttga 480
ttgccataaa gaattccaga cggttcaact cgag 514

```

<210> 1906

<211> 444

<212> DNA

<213> *Xenopus* sp.

<400> 1906

```

gaattcggac tactacaggt ggcctacacg ctttttccta gctgaagat ctctgtctgc 60
atgatgagtc ttaagacggt ggggtgaccca tttttatcca gtttgttaca tggaaatcgt 120
accagcgatt ttgaacgcac gtctgtgagg tggaaaccaga aggcgttttg aactgtggga 180
ttgtgttttc caaagaatga gagtcttttg tatgagcgag aacaagagcg tatgcagaga 240
ccggtgggtg attttggaa actaagttgt caatgtgtct ctcaatccag tggcaatgat 300
gagcgtgtgc agagagcaat gggagcaagt aacgtacgaa tgtttcttgc attcaaaagg 360
cttttagctta tttgaaagac tgaggctaaa tctatttgtc tgaaacagtt tgtacattta 420
ttttcagcct gccctaaact cgag 444

```

<210> 1907

<211> 337

<212> DNA

<213> *Xenopus* sp.

<400> 1907

```

gaattcggac tactacaggt gggaaaagca gaagtatctg gaagagaaaa tgacacaaag 60
tgtcttatcc aagattatca aaaccggata tgcagcactc caactggagt acttcttcac 120
cgccggcccc gatgaagtac ggcctggac tatcgagaaa gggacaaagg ctcttcaggc 180
tgacggcaag atccacacag atttcagaaa ggggttttatt atggcggaag taatgaaatt 240
tgacgatttc aaagaagaag gcacagaggg atctgtcaag gctgcaggaa aatacagaca 300
acaaggcaaa aattacacag tagaagacga cctcgag 337

```

<210> 1908

<211> 352

<212> DNA

<213> *Xenopus* sp.

<400> 1908

```

gaattcggac tactacaggt gcacatacag gttgggcaga ataacaatgt ctgaacaag 60
gaaagtggac tcattactgc tactggtcac acctggactg gtgcttctct tattacccaa 120
tgcttactgt gcttcgtgtg agcctgtgcg gattcccatg tgcaaatcta tgccatggaa 180
catgaccaag atgcccaacc atctccacca cagcactcaa gccaatgcca tcttggaat 240
tgaacagttt gaagggttgc tgaccactga atgtagccag gaccttttgt tctttctgtg 300
tgccatgtat gcccccattt gtaccatcga ttccagcac gaaccactcg ag 352

```

<210> 1909

<211> 261

<212> DNA

<213> *Xenopus* sp.

<400> 1909

```

gaattcggac tactacaggt gcttctgact attatggcta tgacgattac tatgattatt 60
atggctacga ttaccataat taccgtgggt gatatgatga tctttcttat gggtacgaag 120

```

actttcaagt cggagctaga ggcaggggtg gtagaggagc aaggggtgct gctccatcca 180
 gaggtcgagg ggtgttctt cccgtggca gagccgtta ttcacagaga ggaggcccag 240
 gatcagcaag aggtgtctga g 261

<210> 1910

<211> 408

<212> DNA

<213> Xenopus sp.

<400> 1910

gaattcggac tactacaggt ggtggttgca gcatggagct tgaagagttc gagcgtaata 60
 attcccagag tcgcctactg agctctccgg taccggagat atgtcggact gaggactgct 120
 gccttgggat agatgaggcc ggacggggac ccgtgttggg tcctatgggt tatggaatct 180
 gctactgtcc tgtggcccga aagaaggacc ttcaagattc aaaggtggca gactccaaga 240
 cactgagtga agctgatagg gaacgactgt ttgagaaatt aaatggttct tcagattaca 300
 tcggctgggc ctgtcatata ctgtcaccaa atatcatttc caccagcacg cagcagaggg 360
 caaaatacaa cctgaatgct ttatcccatg acaccgcgaa gactcgag 408

<210> 1911

<211> 444

<212> DNA

<213> Xenopus sp.

<400> 1911

gaattcggac tactacaggt ggagtcagac accatggtga agattgcgtt cagttcgcgc 60
 ttccgcggcca aaaaacctag caaggacgtc gaggctttgg tggcagaaac ggatactgag 120
 gttgcagctc aagggactga aaattcaact ggaagatgcc tgcttacct gttgggcctt 180
 gctttcatct tagctggact aatagttggt ggtgcttgta tctataaata ctttatgcgc 240
 aggcacaagc tctatgaagg agtaatgtct tattccgagc agcatgatct tgttgaggag 300
 ccttattacc ttctgtctc agaagaagcc gatatccgag aagatgacaa tattgcactt 360
 ataactgttc ctgtaccaa ctttgacaga agtgatccag cagcgatact tcatgatttt 420
 gataaacttc tgacagacct cgag 444

<210> 1912

<211> 349

<212> DNA

<213> Xenopus sp.

<400> 1912

gaattcggac tactacaggt gcgagatata gctgaaatg cgggtacctta gtgcagctgg 60
 gctgcttggt ctctctgtat gtcttctatt tcttactcca gggctctgccg acacaggact 120
 tggctcgagga tttggggatc atatccattg gagaactctg gatgatggga agaaggaagc 180
 agctgctagc ggttacctc ttatgctagt gatccacaag acatgggtgcg gagcatgcaa 240
 agcattaaag ccaaaatttg cagagagcaa ggagatttca gaactgtcgc ataaactttg 300
 gatggttaac ttggaggatg aggaggaacc aaaagatgat gccctcgag 349

<210> 1913

<211> 282

<212> DNA

<213> Xenopus sp.

<400> 1913

gaattcggac tactacaggt gtgagaagtc aacatggcag agttgtggct atcactttct 60
 tgcattgtct ccttcttct actgacaaat tcactctcac ttaccttcca ggaaagaatg 120
 ctcttaaaag ccttggggct gaacaccaga ccaaacccca ttgctccagc tctgtacct 180
 aaatctttta gagacatttt tgagaagggg ataaaccagg acaatccctg catgatggaa 240
 ggtttcggag tacttgaaa tattgtccgc attccactcg ag 282

<210> 1914

<211> 450

<212> DNA

<213> *Xenopus* sp.

<400> 1914

```

gaattcccat agcaacaaac agtagaggat gttgcagttt cgacctctca gaaacgcaca 60
agttctgcaa cactgaacca gccagctagc actccacagg gcccaaagtc tcttatggaa 120
gtaaacaaatg acagaatgca tctgatttta ggcacacagca ttcagttctt ctgtgcacca 180
cgacctgagg aacccattga acatgtgact gcgtgtcttc aggctttaca tatactgctg 240
gaggctccat tttccagaag tcatattgca gaagaccagg ttattggagt ggagcttttg 300
aatgtccctc atcgctcttc cttaacttgg gatacctctt ctgtgcaact gctggtgact 360
actgtagttc aacagatagt gagggtctgt caacacaata tacaggagca aagaaatgct 420
caaaataaag atgacacaag cgaactcgag                                450

```

<210> 1915

<211> 125

<212> DNA

<213> *Xenopus* sp.

<400> 1915

```

gaattcccat agcaacaaac agtaattccc atagcaacaa acagtagttc ccatagcaac 60
aaacagtaat tcccatagca acaaacagta attcccatag caacaaacag tatggcgggc 120
tcgag                                125

```

<210> 1916

<211> 461

<212> DNA

<213> *Xenopus* sp.

<400> 1916

```

gaattcccat agcaacaaac agtaggagaa agaagtgcaa cactaacaag accaactgac 60
agatcggttg gccctattcc aatatcgcca actcaaggat gaagtgcatt gttctcctgc 120
tgggttgctt ctctatcgga tgggttctact ccaacccac aaaaaaagtt aacattgcaa 180
aatttgagaa agcctcacag agctcagatt acagacctga gtacaatgct gctgctgcta 240
tcgatggtga tagagactca aatatgatgg cgggttctatg ctcccttact ggtaacgaca 300
agccatcttg gtggcagttg aacctaaagc acaggtacaa agtggagaag gtggtgatag 360
tgaacagagg agactgctgc agtgagcgcc ttttgggagc ccagatccgt gttggattca 420
cagccaatct gaagaaccca ctatgtggca cccacctega g                                461

```

<210> 1917

<211> 446

<212> DNA

<213> *Xenopus* sp.

<400> 1917

```

gaattcccat agcaacaaac agtagggtaa ccaaggcacg gaagtctggg gaatgaaagt 60
ctgaagggaac actgttacca atattaaaac agtcactttc ctccagcct aacaatattt 120
tttatcatta aacaaattgt cagacgaaca ctattacaaa cgtggactaa agaagcagaa 180
acgtgacttt tctttttgaa gccagcctg caatgaagca tcaacatatt ctagttttat 240
ttttgcttcc catggctgtg attagtttt tggtagatcg caggattgtt aagattccca 300
catttatata tttgaagtca aattgcgagg aggtgacaaa agaagaaaca gaacttcaaa 360
aagaagtgaa aacaatcttc aatgaagtag acagttcaat tccgaagatc agcttcactc 420
actttgataa cacaacagtc ctcgag                                446

```

<210> 1918

<211> 261

<212> DNA

<213> *Xenopus* sp.

<400> 1918

```

gaattcccat agcaacaaac agtacttggc ggtctcgagc ctttcaggca gttcccagac 60

```

atcttcagtt cgcgcagcgt gtgaatatc tgaaccaaga acttagcaga gggtcctcgc 120
 ggggagttgg ataaccacat atacaggtec tgcttctctc tggcttcaaa atagatgcac 180
 ttattacagt tcttcatttc acagacctca ttaccacaa acagcttgte cttacggtec 240
 attttcgttt ctgctctcga g 261

<210> 1919

<211> 383

<212> DNA

<213> Xenopus sp.

<400> 1919

gaattcccat agcaacaaac agtagagagg gaccacattt actcccatctt actcctctgg 60
 ctgattccatc taactgtgac tttaaggaaa gagcaagttc tccataagga aggaacatgg 120
 agcctctccc acttctctca ctgttcccat tggcagttgt ccattttgag ccgggcaaat 180
 ctcaagaggg agttcagagc cgcattgttg gaggacacga tgcttcaaag ggaatgttcc 240
 cgtggcaggt cagcctgagg taccaaaata aacacgcgtg tgggtgcgact ctcatcagct 300
 caaactatat cctgacagct gcacactgct tccccacaga ccacataatg agtgattact 360
 ccgtaaacct ggggttcctc gag 383

<210> 1920

<211> 478

<212> DNA

<213> Xenopus sp.

<400> 1920

gaattcccat agcaacaaac agtagccaga caagttgggc tcaggttgta cagacaaaat 60
 ggcagagaaa gggctcttcgg ggatggtgac ctccattgtg ttgggaata ttggttatatt 120
 gctctctggc ctgtgcgtgt ttgcagagac aatctgggca accaccgacc cctacaaggt 180
 ctatctctatt ctgggggtga ctgggaaaga tgacgttttt gccggcggct ggattgccat 240
 attctgtgga ttctcattct ttatacttg agtccttggc atcctcgcag tgcagagagg 300
 gagtgcgact atggttctga cgtacttggc gctgatgatg atcgtctata tatttgaatg 360
 cgctcctctg atcacttctc tcacacacag agattacatg atcaactcca atgtgattaa 420
 ggggtcagatg ttgacgtact actcagacag cagcaccccc cagggaaggg agctcgag 478

<210> 1921

<211> 360

<212> DNA

<213> Xenopus sp.

<400> 1921

gaattcccat agcaacaaac agtaccata gcaacaaaca gtaacaaaca gtagtcaaaa 60
 atgcttgatc tggaaaatct gagcggtaaa attaatcttc ttacttgagc tacactattg 120
 tgctctgccc agtataaaac gatggggacg tgctgccttt gagttcattt ctctacctga 180
 ggaatccact acttcaccgt tgtttttaag tctctcgatc atgatttaat ttgattggac 240
 acttggttaga ttaaggagat gcaggatctt ccaactgcac aggcattggt catgatattc 300
 tgctgtgtct gaaactgttg cattcatgat ctccatttta tacgagttct tatgctcgag 360

<210> 1922

<211> 335

<212> DNA

<213> Xenopus sp.

<400> 1922

gaattcccat agcaacaaac agtacagtga gcatgtctga tcaggaagcg aaaccatcta 60
 gcgaggatct aggagacaaa aaagatggag gggattatat caaactcaaa gtcattggac 120
 aggacagcag tgaaattcac ttcaaggtag agatgacaac gcattctcaa agctgaaag 180
 agtcatactg tcagagacag ggcgttccaa tgaattctct cagggttttg ttgaaagggc 240
 aaagaatctc agatcaccag actcctaagg agctcggaat ggaggaagag gatgttattg 300
 aagttttca ggaacagact gtgggtccac tcgag 335

<210> 1923
 <211> 221
 <212> DNA
 <213> *Xenopus* sp.

<400> 1923
 gaattcccat agcaacaaac agtacgatca ggagaaagaa gcgattatc ggcgagcgg 60
 tcgagctttt cccgatttcc ctccccctgg gatctgtttt agagatatta ctccgtctct 120
 taaagaccct ttggctttct gctctgccat tgatctcttc gagagacacc tgagggcaaa 180
 ttttccaaag attgatgtta ttgctgggct tgattctcga g 221

<210> 1924
 <211> 358
 <212> DNA
 <213> *Xenopus* sp.

<400> 1924
 gaattcccat agcaacaaac agtacaaaaa gttcttatgg gaagcaaaac aaaaaactgt 60
 atactgtatt ataataaaaa aaaaaagagg ttatttttggg acagtatagt gttaaaataa 120
 gcaaaaataag atttcagtat taaacttgag atttctagta ttttttattt gacaaatgac 180
 ttttaactctt tcattcctgg ttatatgggt gccctcccc cccttaccaa agtggttatat 240
 tatatattat ttttttctt ctactgctgt aaatttatgt tgtgggatgt taacagcaga 300
 gagaggggtc ggcaagtggg gttcttatcc tactaacca gtgcacagac cctcagag 358

<210> 1925
 <211> 175
 <212> DNA
 <213> *Xenopus* sp.

<400> 1925
 gaattcccat agcaacaaac agtaagcggc tgcagcttta gtggaggagg agacgagaag 60
 atatcgacct acgaagaact acctgagtta ttgcccacc ccagactatt ccgcatttga 120
 gactgaaatc atgaggaacg agtttgaaa agtttcggcg cgcagcccc tcgag 175

<210> 1926
 <211> 472
 <212> DNA
 <213> *Xenopus* sp.

<400> 1926
 gaattcccat agcaacaaac agtactcagg gaggacagaa gtgactcaga aaatgaagga 60
 cgattctgga gttcgggtgt accagtcctat cattatcttc ggcaatgtgg tcatggggct 120
 ctgtgggtttg gccctggcgg ccgagtgcac ctctcttttg tcagaccaga gtggcatcta 180
 cccgctgctg gaggtactg acaacgatga catatttggc gccgcatgga ttggcatctt 240
 tgccggattc tgtctcttcg tcttgcttat cgtcgggac attggcatca tgaagtcgaa 300
 caggagaatg ctgatgggtg atctcatcct gatgttcatt gtgtatgct tcgaagtggc 360
 ctctgccatc actgctgcaa ctcaacaaaa ttttttcatt ccagagctct tctgaaaca 420
 gatgctagaa ctttacaaaa atcccaaccc aatcaacaat gacaacctcg ag 472

<210> 1927
 <211> 530
 <212> DNA
 <213> *Xenopus* sp.

<400> 1927
 gaattcccat agcaacaaac agtataacgg ggacctctgc ttcagttggg ttaaatcatg 60
 aacaaacgtc cgctactttt gtgccttggc ctatgggtag cctgcacatt aagcaaaccc 120
 acagagaaga ggatcgtgtt catcatgact ctccagcttag tggtaaagtt catgatgatg 180
 caaaaaattt tgactatgac catgatgctt ttctgggtgc cgaggatgca aaaacatttg 240
 atcagctaac acctgaagag agcaaggaga gactgggaat gattgttaggt aagatagact 300

tggataatga tgggtatgtg acggaggggg aactgactgc atggatcaag aaagcccaa 360
 agaagtatgt gtacgacaac gttgagcggc agtggcagga gtttgacctg agccaggatg 420
 gactcgtatc gtgggatgag tacagaaatg tcaacctatg cacttacctg gatgatcagg 480
 atccagacaa tagcttcaat tacaacaaa tgatgatgaa gaggctcgag 530

<210> 1928

<211> 479

<212> DNA

<213> *Xenopus* sp.

<400> 1928

gaattcccat agcaacaaac agtaggaaga tgccgctcgt tacagctctg aggctcgggg 60
 cagcgctaat gtgcctcgtc ctgggtggcg aagtcagag tcaaggatgc aaatgtagaa 120
 cgcactacat gggtaaatgc gataacagcg gtgcattctc agattgtcag tgtaccctca 180
 ccatagggcc cgattcccaa cctgtgaact gtcacaaatt aattcctaaa tgttggtctga 240
 tgaagagaga gagccttggg acaaaggcag gtgcagaggt taaaccagca caagcactta 300
 ttgacaacga tggactgtac aatccagagt gtgatactaa tgggggtgtt agggcccgcc 360
 agtgcaacaa tactgacacc tgctggtgtg tcaataccgc cgggggtcaga agaaccgaca 420
 aaggggacaa aaactggaag tgcccgggagc tggtcagaac taactgggtg attctcgag 479

<210> 1929

<211> 345

<212> DNA

<213> *Xenopus* sp.

<400> 1929

gaattcccat agcaacaaac agtaatcagc atgcagctcc tgtggatcac cgctgtgcta 60
 cttctcatct ctgggtgccat agctcagaat acttcctcgg cagatgggggt tcttactcca 120
 cttagtacat ctgtgataat tgcatttcca ggatgcaaag actccggaaa gactgttaac 180
 ctgatcgtag caaatggcac aactactgta caaaatattt ccctccaggt accacagtgc 240
 cgccttaaac gagatgttgt tgtgactaat aattcacagt ctggtaatgt gcagactgtg 300
 aatgtgggct atcaaatata aaacctacaa ccaggtgacc tcgag 345

<210> 1930

<211> 324

<212> DNA

<213> *Xenopus* sp.

<400> 1930

gaattcccat agcaacaaac agtagaagaa cagtacgaag tgtgtgcttc tgggaacaga 60
 gacatcatga gtctacagtg gacggctgtc gcaacctttc tgtatgtgga agtggtttta 120
 gtgttgctgc tgtgcattcc cttcatttcc cccacaagat ggcagaaaat cttcaaatct 180
 cgcttggtcc aattgttagt gtcatatggg aacacgttct tectcgctct gatagtgatt 240
 ctggtgctgt tattactaga tgcacttcgg gaaatccagg aatatggagt cggggagcag 300
 gtggatctta agaataacct cgag 324

<210> 1931

<211> 328

<212> DNA

<213> *Xenopus* sp.

<400> 1931

gaattcccat agcaacaaac agtacaagag cgtgtgtctt tggtttattg tcaccatggt 60
 ggaagctgac cgcccaggca aactgtttat tgggtggtctg aacacggaga ctaatgagaa 120
 ggcctctggg gccgtgttct gcaaatatgg acgtgtgggt gaagtctctt taatgaaaga 180
 cagagagaca aacaagtcga gaggccttgc ctttggttac tttgaaagcc ctgcggatgc 240
 caaagatgca gctagagaat tgaatggaaa ggcactggat ggcaaaccta ttaaggttga 300
 gcaagcaaca aaaccatctg aactcgag 328

<210> 1932

<211> 403

<212> DNA

<213> *Xenopus* sp.

<400> 1932

```

gaattcccat agcaacaaac agtactggga aggggttagt aacatcagcc ggcataatcgc 60
tacgaatatg agacgctata gcttcgctcc ttacttttac ccggcggtact ttttcattgct 120
actgataatg tgcgttttca ctccagttaa aagtgaata attaccttag agagtggcaa 180
tatagatgac attttaagaa atgctgagct tgcttttagt aattttctatg ctgactgggtg 240
ccgattcagt caaatgctgc accctataat tgaagaagca tctaatataa tacaagaaga 300
atatcctgat aaaaataaag ttgtttttgc aagagtggac tgtgatcaac actctgaaat 360
agcacaaga tacaggatca gtaaatatcc tacactactc gag 403

```

<210> 1933

<211> 280

<212> DNA

<213> *Xenopus* sp.

<400> 1933

```

gaattcccat agcaacaaca gtaacaacac aagccctaca ggaagagaga tgggtacagt 60
ttggccctgg atatgcctag ttttacaggt ttcttggact ttcccatgc actttaggaa 120
gcataatgaa ctacattgc tgagaaacaa agtggaagc catggagatc ccaataactt 180
catcaaacaa agcagagcag atactccctt taaggaaaga gtggggcacct tcccgagat 240
gactggtggg agacgtagca acagacagaa cacactcgag 280

```

<210> 1934

<211> 338

<212> DNA

<213> *Xenopus* sp.

<400> 1934

```

gaattcccat agcaacaaac agtaaagaat aggaggcagc actgacactg gtaaacaacat 60
caaagagcat gattactaca ctctactcgg agagtctcgt gtggatagag aaggatcccc 120
cgttcctgctc aattgcctta tgtacgagat gtgctattat cgcttttggtc aagtctacac 180
agaagccaaa cgcctccag gttatgacag agtgagaaat gcagaaatcg gaaataaaga 240
ttttgagctt gatgttctgg aggaagctta caccacagaa cactggctgg tcagaatata 300
taaagtataa gacctggata atcgcggggt atctcgag 338

```

<210> 1935

<211> 118

<212> DNA

<213> *Xenopus* sp.

<400> 1935

```

gaattcccat agcaacaaac agtagctcgg cggctctcag gtgggtgtgtg tgtttaggga 60
ttttttgttt tttgtttttg ccagaatcgg gagatttttt tgttttgttt ttctcgag 118

```

<210> 1936

<211> 541

<212> DNA

<213> *Xenopus* sp.

<400> 1936

```

gaattcccat agcaacaaac agtacatgac tggagtcttc ctgctcctct gcgcctccat 60
gttggcgcgc gcgcgcgcct ttgacattgg attatccacc aagtgcgttc ccattcccaa 120
agagatggcc atgtgcaatg acgtcggcta ctggagatg cggttgcca acctgttggg 180
acacactaac atggcagaag tctgccccaa gtcagcagag tggcagaacc tctacagac 240
cggctgccc acctatgcc ggacctctct atgctcccta ttgcctccag tctgcctgga 300
cacgttcac cagccctgcc gcagcatgtg tgttgcgtga agaaacagtt gtgctccagt 360
tctggcatgt catgggcact cctggcccaa gagcttagac tgtgacaggt tcccagctgg 420

```

ggaagacatg tgtctggaca ctctcagcaa agagtatcag tatgcctata aagaactgcc 480
 aaagccaagc tgccagggtc gccacttat tgaagaattc ttttcacaca agacactcga 540
 g 541

<210> 1937
 <211> 411
 <212> DNA
 <213> *Xenopus* sp.

<400> 1937
 gaattcccat agcaacaaac agtaattccc atagcaacaa acagtaggct ctgtaggttc 60
 tccgctatca tggctacgtc agcactgggc aagatggcgg tgcccatgca gcaggagcag 120
 ctccgtgtgg caaccgggct tegtccctt ctctttctgt ggctgctgag tttagtggga 180
 gcaaatgaag ggcaggcggc acaggacacc ccacaccggc ggctcgagta taaatacagc 240
 ttc aaaggtc cttacacagt gcagagcgat ggcactgttc cttctctggag ccactctggc 300
 aatgcaattc ctacgcctga tcagattagg ataacgccat ctttaaaaag ccagaaagga 360
 tcgggtatgga cgaaaacttt ggcaaaacttt cagaactggg aagtccctcga g 411

<210> 1938
 <211> 353
 <212> DNA
 <213> *Xenopus* sp.

<400> 1938
 gaattcccat agcaacaaac agtatgcacg tgcaagaggc cttatccgga tccagaagat 60
 gaggtccaag atgaaatgat ccagtgtata gtctgtgagg actgggtcca tggaaaggcac 120
 cttggcgcag ttcacccgga gcatatggac tttcaggaga tgatatgcca gatctgcag 180
 gaccgatgtt cattttctttg ggcttatgct gcatatatag caattccctc ttttcaaaa 240
 ataacatctg ctgagatgga tctgaaagc aaggatatca aggttgatga tagtctggct 300
 gaggttatc taggagaaga tgggccaaac attaaaactg ggaaaacctc gag 353

<210> 1939
 <211> 295
 <212> DNA
 <213> *Xenopus* sp.

<400> 1939
 gaattcccat agcaacaaac agtaagggca cacacctatt atgcaccact ccattcttca 60
 tcatcagcgg cctttcaatt ctctggaaga tgacctaca catggatttg acactctgag 120
 tctggagagt tctgatagtt tagacactag tgtttctaca ggaaactcgg catgttctcc 180
 tgataacatg tcaagtgcga gtgggtttaga catgctgaag atagaagaga tggagagaat 240
 gcttctagaa gctcatgcag agagatccag gctttagga tccagtgagc tcgag 295

<210> 1940
 <211> 361
 <212> DNA
 <213> *Xenopus* sp.

<400> 1940
 gaattcccat agcaacaaac agtactccga atactactgcc atctttttat ccaccatact 60
 cactgcccga tccaagcttg cccaatgaca ttactatccc ctatttcccc aatcagatgt 120
 ttccaaaccc cagcacagaa aaacccaaca gcaactggtct aaacaacagg tttgggacca 180
 tattatcccc accacggcct gtgggatttt ctcaaaccac cttccctctc ctcccagaca 240
 tgccgccaat gcacatagcc aacccctccc atctgtccaa cttcaactta acgtccctct 300
 tccctgaaat tgccacgact ctcccactg atggetctgc catgtcacc ctaactctcga 360
 g 361

<210> 1941
 <211> 287
 <212> DNA

<213> Xenopus sp.

<400> 1941

```
gaattcccat agcaacaaac agtagtccac agtaggtcgg gtgctgtctg ggtgcaagca 60
cctttgggca gggcaagggg tgcagtgggt aaggcgacca gcgggcagga ctctgtgtgg 120
atacagcagt ttaattttca gtggcctggg aagagaccca tcagaaagge agttgcttca 180
gcagtgcaca tcttttcaat catcttcagt acgtaatgga cttgatgaat tctttgatga 240
tcccaagaac tggggagaaa aatctgtaaa atctgggtcaa gctcagag 287
```

<210> 1942

<211> 349

<212> DNA

<213> Xenopus sp.

<400> 1942

```
gaattcccat agcaacaaac agtaaacaga catggcgaag catcatccag atctgatttt 60
ttgcagaaaa caggccgggtg tggccactgg aagactctgt gaaaaatgtg atggcaagtg 120
tgtaatttgt gactcctatg tgcgtccatg cacccttctg cgtatatgtg atgaatgcaa 180
ctacggttct taccaagggc gctgtgtgat ttgcggaggg ccagggggtt cagatgctta 240
ttactgcaaa gaatgcacca ttcaggagaa agatagagat gggtgtccta aaattgtaaa 300
tttaggcagc tccaaaacag atctctttta cgaacggaag atgctcagag 349
```

<210> 1943

<211> 469

<212> DNA

<213> Xenopus sp.

<400> 1943

```
gaattcccat agcaacaaac agtagaggga ttctctatc ctcatcagat aattcgaatt 60
tgctgcgggt ctgctgcctt ccgaaagcat gttgcgcctc gtcctcgtg ccctggtagt 120
tgcagtaact tcagctgact tcaactgtat gaagtcacca caaaatcaaa tattccaaga 180
gggaaattgg cctgttcagg ctgacaggat tccagatata atctcgttgt caatgggatt 240
ttccgtggaa gaggatctgc cctggcctgg cttaggagtg ggcaaccttt tccagcgctc 300
tcgtgtctca gtctcgtga cagttactgg agtgaataag ctcccgttg ctgccaatgg 360
actctctat cctgtggaaa atgctgttcc atacagtgtt gacagtgttg taaattctgt 420
tcattctgtg tttcttgaag aaatgccagt aattttgcag cagctcagag 469
```

<210> 1944

<211> 489

<212> DNA

<213> Xenopus sp.

<400> 1944

```
gaattcggac tactacaggt ggacaaaatg gcgaccagcg gctgcatgaa agtcaccaag 60
tacttcctgt tctgttcaa cctcctgttc ttattcttg gtgcctgat ccttggtatt 120
ggaatatgga tctcgtgga caaaaccagc ttatttcaa tctgcagac ctctcttgg 180
tacctgagaa caggctccta cattctcatc gctgttgggg gtttaacaat ggtgatggga 240
ttcctgggct gcttgggagc agtgaatgag atccgtgcc tgttgggct gtatttcacc 300
ttcgtgtctca ttatcctgat cgtcaagtt gcagccggaa ttctgattta cctacagcga 360
gatgcactaa agtccgagat gtctccatc atccataaac tgattgtcac atatgactat 420
gaagatggaa agaacacgag ctccgagacc acctgggatt atatccagag aaatctccat 480
gtgctcagag 489
```

<210> 1945

<211> 281

<212> DNA

<213> Xenopus sp.

<400> 1945

```
gaattcggac tactacaggt gcaggtttag aagagggtca ttacattta catattacag 60
```

ttcgttatct tatgaacaaa gtggattctg gttcctgaag actgaacttt cctatgagtg 120
 caacatttgt acttatatct cttctgatcc ttccctgggt caggatccct gcagcgtctc 180
 tgttacactc ctctcccta tctctgtat ccttgatgga gaaaccagtt acaaggaggg 240
 acgtttcact tctgaattct cattcattcc tgaacctcga g 281

<210> 1946

<211> 437

<212> DNA

<213> *Xenopus* sp.

<400> 1946

gaattcggac tactacaggt gacaatttgt aggggtgagg gggcctcaat ttgtgtgcat 60
 gattttcgat ttataacca ttccattgtg taaaaccttc aaaatggcag aacgggcaat 120
 ctttcctggt tccgtttgca ttccgatgaa tgcaacaatt taactgggtg ccatgggttt 180
 ctaccacagg gcaaatttgc ccagtattga taaatgacct ccagtgtgtg tatgttgtta 240
 cattttacaa atgtatgact ttttggcatt tgaatcgat agagagattt tgcaatcttt 300
 aaggacaccc taatccctct cactcctctt ttttattaca ttatgtttgt ggaattagga 360
 ttttaaaaga taaaccttat gaccaccat cccatcttca cccaaagcca ttaggcaaat 420
 cacatccatc cctcgag 437

<210> 1947

<211> 270

<212> DNA

<213> *Xenopus* sp.

<400> 1947

gaattcggac tactacaggt gatgtagata agaaataggt gggacacatt ccaagatacc 60
 atcttgagag ggtcttttac atttcaaaga ggaactgttt gtacagtgtg tgttggtaaa 120
 agggacatct aaagaaatta gctgggtttc ctgtttaact tgtcatcagc caatcagagc 180
 cattctccat ttgggtcaat ggctagaaa caatataaca atggagtgtg tttttggttg 240
 agagagagat tgggaaggag gagactcgag 270

<210> 1948

<211> 333

<212> DNA

<213> *Xenopus* sp.

<400> 1948

gaattcggac tactacaggt gttttagtgc cttgagggct gccctacaga gcattgattg 60
 gggcattagg ttttcagcta aaaacacaga acagaaatgg ttgtccttta aaatgatatt 120
 aaatcattac tgtctcaat ttattccctt aaggactaaa cgtagaagct ctaagaatca 180
 tctgtgtgtg cttaatacag aggtaaagat gttaatggga aagaagagaa aggcatttaa 240
 aaactacaaa tctgtaggga cagaagctgc atttaatgaa tataaacact gtaataaatg 300
 ttgtaaatca gcaatccgga aggccagctc gag 333

<210> 1949

<211> 284

<212> DNA

<213> *Xenopus* sp.

<400> 1949

gaattcggac tactacaggt gagtgaactt agacatttaa tgtgagtata gtgagtaagt 60
 gtaagtctta aagctcattt atagctgaga gaggagtgtg agtgacgggg gtgtatgact 120
 gtgcgtagtg aggggacatc acattcatta ccctgagtat ctggagaggg taactgactc 180
 ggcagcatca caaggatgtg gtccatctac gtccctcagc ggctgtccct gtttgttcag 240
 gtggcctttg tcaactctgc cattgctgcc ggaccattct cgag 284

<210> 1950

<211> 536

<212> DNA

<213> *Xenopus* sp.

<400> 1950

```

gaattcggga ctactacagg tgcgctcctt ccttctctgt gcctcctgtg tgggtgaggt 60
tcgctgtccg gggcctgcgc tacattgtgt aacctccgc cctgttgccg ccgcagcgaa 120
gtcctcccg ctcaggcaag tgaaagccgc gtcccgagtt gtcccgaggt gattatgcat 180
aaggagcacc tggcccagga tgagaatagt aatccccgcg agggcccggg agccggaaga 240
aggacaaact gagtcccagc gaggcaggaca tgaaccacat taacaagagc aaagcgaaga 300
gcggtctcat ggaggctaat ggctttgggc cggaccacaga gatcgagaca ttagccggcc 360
gtacagaaga cagtgtccct ctacgcccct ccaactccct caacctgcgt cacctgagag 420
gctgcgagag agacccatcc gggcgcccac accaacgcta tcttccagc catcaccact 480
cctacagcta ctctcccat cctcactacc gaccttgta ctccagctac ctcgag 536

```

<210> 1951

<211> 426

<212> DNA

<213> *Xenopus* sp.

<400> 1951

```

gaattggact actacagggt agcctggaga ccgcgatcag acatgtgttt tctacacctg 60
ctctcactat tatgtgtgtg gctgggtggt ccatctccag ccactgggga taatcgatac 120
aaacaagggg agccagtgat gatgtatgta aataaagtgg gcccatatca caatccacaa 180
gagacttata actactacca acttccagta tgtgtctccg agaagatccg cctcaagagc 240
ttaacactcg gagaagtgtt ggatggagat cgcgatggcag agtccttgta ccgaattgca 300
ttccgacaaa atgcggaaag agaaaactct tgtgagatga aattatcaat cagccaagta 360
gaggagctgc gcacagctat cgaagaattg tattattttg agtttatgct agacgacctt 420
ctcgag 426

```

<210> 1952

<211> 324

<212> DNA

<213> *Xenopus* sp.

<400> 1952

```

gaattcggac tactacagggt gcgaaataat aagcatcgtc ttctttctct tttctgcat 60
tgcccttttt gctagcaggg caccgttagc gtcccttgct tactgtctgt aattgtgcca 120
aggaacaaag taattttcgt gcaataccca ccggaggctc cgtcccaat atctcatcaa 180
gacagagatc gtcataaggg ttgcctccaa gtgctggaat ggtgttgctt cctggcagtg 240
ggtggccaac gatgacaact gtgggatatg tcgtatggca tttaatgggt gctgtccaga 300
atgtaaaatc ccaggaaact cgag 324

```

<210> 1953

<211> 360

<212> DNA

<213> *Xenopus* sp.

<400> 1953

```

gaattcggac tactacagggt gcgaaagtc aactctacta ccactggcat gtctgcaacc 60
actagttata catatggagt cagctctact accagcagtc cagtgaattt gcctgtttac 120
attactaaga aggaaccgga ccggcctgtt gaatatagtg agatctgtct ccatcacatc 180
tggaagtact gcaggcttgg gaacaaatgc agtgagatgc attatcattt gccctaccgc 240
tggcaggaga aactggacaa caagtggcaa gacgctacca gcatggatgc aatggagagg 300
gcattctgcc aaccgaagaa cgacagttac ttggggatca gttttgcaac agacctcgag 360

```

<210> 1954

<211> 356

<212> DNA

<213> *Xenopus* sp.

<400> 1954

```

gaattcggac tactacaggt ggaggaccaa gaagtgtgga agtgttctag agctgcttta 60
tctagccaat cagaatgaac ggccagatgc tgaatgggtt ccacgatgag ctcatcgacg 120
aaggcagctt tctctttacc tcagagtcag tcggggaggg gcacctgat aaaatctgtg 180
accagatcag tgatgcagtc cttgatgctc acttgaaaaca agaccagaa gccaaagtgc 240
cgtgtgaaac tgtggccaag actggaatga ttcttcttgc tgggtgagatc acctccaggg 300
catctgtgga ttacccaaaa attgtacgag acacaatcaa atacattgac ctcgag 356

```

<210> 1955

<211> 384

<212> DNA

<213> *Xenopus* sp.

<400> 1955

```

gaattcggac tactacaggt ggaggaggt tccttcatca gaatggatat tgtactgctc 60
ctctttctct catccctcct ccctgggacg tgcacttacg cggctccccg taaggacccc 120
actctacgct ttgtggctct cggagactgg ggggggctgc cgttccccc ctatactaca 180
agacagcagg agctgggtgc tgaagagatg ggcaaacacag tggccaaact gggcgagac 240
tttattctgt ctttgggtga caatttctac tacgacggcg tcaccgatgt gtcagacccc 300
agatttaaga tcactttcga gtcgggtgtac agctccgagt ccctcatcaa acaccttgg 360
tatatactgg cggggactct cgag 384

```

<210> 1956

<211> 333

<212> DNA

<213> *Xenopus* sp.

<400> 1956

```

gaattcggac tactacaggt gcaaagctcc caaagttaaa aaagctggag ctcaagtaca 60
atcgcatctc tggaggatta gaggtactgg cagaaaggac cccaaatttg acacacctga 120
acctcagtgg gaacaagata aaagagatca acaccctaga gcctcttaag aagctacctc 180
atctcatgag cctggacctc ttttaactgt aggtgactat gctaaacaac tatagggaga 240
gtgtgtttga gcttctccc cagctcacct ttctagatgg ctttgatgca gatgaccagg 300
aggctccaga ttctgaccca gaggcacctc gag 333

```

<210> 1957

<211> 297

<212> DNA

<213> *Xenopus* sp.

<400> 1957

```

gaattcggac tactacaggt gcaaaaacct ataattccag agcgtaaata ccagttacta 60
tctaagattg aggatgggga aagtaacatt cctctgcctt ctttgcccc ctctctcttc 120
actgagaaaag tacctgtggt gaaagctaaa gccacttcta tcatcatgaa ctctcttatg 180
acaaagcata cacaggagag cattcaacgc ttcgaaactgc aggcctggcct cagggatgct 240
gggtatatgc cacacaaggg cctcactgct gaagagacca aataccatcc cctcgag 297

```

<210> 1958

<211> 256

<212> DNA

<213> *Xenopus* sp.

<400> 1958

```

gaattcggac tactacaggt gattcattgc aaaattgccc tcctctggat cctgggaaca 60
tgaaatataa ctaaagctat aataaatgca cattgtatca gtgctacaca atttggtggg 120
ccctctaaaa gtacatttta ataataataa ttgtacactt gagaacaagc aaatttacac 180
acacagtcca aactttttta gtgttcagaa ttgtttcctg tgggtgatct gattattata 240
atatagagag ctcgag 256

```

<210> 1959

<211> 329

<212> DNA

<213> *Xenopus* sp.

<400> 1959

```

gaattcggac tactacaggt gttttaacag aaaagaaaga aggcgacgaa ggaggtggta 60
ggattgaaatg gtcccatatc aaagatggta gttcttccag ttggccact atgatatgca 120
gctttgcaca agaaaatgag gaagcagaag atggagggga tgattctcag agtgatgaag 180
agcaagaact aaatgggtca aatgaggaca gtggacatct ggtccacaat tttgtaatgg 240
ataaacagga tactgaaatg aaagaaaagc atggaaatga aacacagggg atgctggaac 300
tgggcaagga agaaagacag accctcgag                                     329

```

<210> 1960

<211> 396

<212> DNA

<213> *Xenopus* sp.

<400> 1960

```

gaattcggac tactacaggt gcttgattcc aaaatgacca agaagcgaag gaataacgga 60
cgtgccaaaga agggccgagg ccatgtccag cccatccgtt gcacaaactg tgctcgctgc 120
gtcccaaagg acaaggccat caagaaatct gtcatcagga acattgtgga agctgcagct 180
gtcagggata tctctgaagc cagtgtcttt gattcatatg cacttcccaa gctctatgtg 240
aaacttcatt actgcgtcag ctgtgcaatc cacagcaagg tggtcagaaa ccgctcccg 300
gaagctcgta aggaccggac accacctccc aggttcaggc ctgcgggtgt acctcagaga 360
gcacctccca agccaatgta agagacgtgg ctcgag                                     396

```

<210> 1961

<211> 528

<212> DNA

<213> *Xenopus* sp.

<400> 1961

```

gaattcggac tactacaggt gcaggaaggc tggtaaattg atttctctaa gtgagcaaaa 60
tcttgttgac tgctccagag ctcaaggaaa ccagggatgc aatggtggcc ttatggatca 120
agccttccag tatgtcaagg ataatggagg catcgattct gaagactcgt acccatacac 180
tgctaaggat gaccaggaat gtcactatga tccaaactac aattcagcaa acgacactgg 240
ttttgttgac gttccatctg gaagcgaaga agatctcatg aaggcagtag ctccagtggg 300
accagtctct gttgcagttg atgcaggaca tcaatccttc cagttttatc agtctggaat 360
ttattatgat cctgaatgca gcagtgaaga cctggatcat ggtgtacttg ttgtgggtta 420
cggctttgaa ggtgaagatg tggatgggaa gagatactgg atcgtcaaga acagctggag 480
tgagaaatgg ggcaacaatg gatacattaa gattgccaaag gactcgag                                     528

```

<210> 1962

<211> 269

<212> DNA

<213> *Xenopus* sp.

<400> 1962

```

gaattcggac tactacaggt gataaatggg gttacagatg gtatttgac tgcaaccacc 60
ccatttgtgc tcttgggaga tgtgcttgac tgtctgcttc tggcatattg tgacaagatc 120
ttcacgtttg tggaaaaaaa tgttgggtacc tggaaatcta atacctttta ctccaggggaa 180
aaattacctc ctccggatgt gtaatgacct cttaagaaga ctatcaaaat ctccagaacac 240
ggttttctgc ggaaggattc tgtctcgag                                     269

```

<210> 1963

<211> 267

<212> DNA

<213> *Xenopus* sp.

<400> 1963

```

gaattcggac tactacaggt gtggaaattg ggtgaactga gcattgagct gaatagtgcc 60
ttctttactg ggatctatgg catgtggaat ctttatgtct ttgctctcat gttcccttat 120

```

```

gtctcttcac acaagcacta tggagatggc cagtctaata atgggtgctgg aatgagcagt 180
ggagaggaac ttcagctgac aaccacaatc acccatatcg atggacctac tgagtgtgat 240
cggctggctg gcaggagggc actcgag                                     267

```

<210> 1964
 <211> 309
 <212> DNA
 <213> *Xenopus* sp.

```

<400> 1964
gaattcggac tactacaggt ggaccggaga ggggcgacgg agatatgaat aaccaaggcg 60
gggacgagat cggaaagctc tttgtcgggt gccttgactg gagcacgaca caggaaaccc 120
tgcgacagtta cttttctcag tatggagaag ttgtagactg cgtaataatg aaagataaaa 180
caacaaatca gtcaagaggc tttggctttg tcaaatttaa tgatcccaat tgtgtaggaa 240
ctgtcctagc cagcagaccg catacactgg atggccggaa tattgatcca aagccatgta 300
cccctcgag                                     309

```

<210> 1965
 <211> 323
 <212> DNA
 <213> *Xenopus* sp.

```

<400> 1965
gaattcggac tactacaggt gctttggagg tcaaggaagg acatctgtgg tgccctgcttt 60
attctgcatt taattaaagc tttctagctg aatgtgctta atgatactcg tgccacttgt 120
acagacacct aagcagtgcc tctaatgctc tattttaaac cttaaaggcaa cttacacata 180
gttaatgctt taaagcagga gtcccaaac gccaggccgc ggacactcct gccctgggtc 240
gccgagccca gtgctcaaaa acgaggcacg ccaaatttta tgccagcgcg tccaaatttg 300
ctgccaaccc ctccgacctc gag                                     323

```

<210> 1966
 <211> 535
 <212> DNA
 <213> *Xenopus* sp.

```

<400> 1966
gaattcggac tactacaggt gaagcttggc agctatggct ttgttttagcc atttccatgt 60
tggaatgctc atgccagagg tgtgcttctt tgtctctgtg atgcttctgg ctatagtggg 120
tgagttcagc ctttccctgg ctgcgcaggt gagtacctgt gaggc aaatg gcagtgtcta 180
ctatgttggt gagtgggtact tcctggactc ggaccactgc actcaatgtg agtgcaccac 240
agagggccca gccctgtgcta ggacagagtg cacagccttg ccaccagcct gcatgcgcgt 300
cagccactac cctacggact gttgccctcg ctgtgagaag attggctgtg aatacagagg 360
agaagtttat gagctgggag aacaatttca gccctcagaa tgtgaacagt gtacatgtga 420
cgtagacgga attgcccgtc gccctgtagc agactgtgcc cctcctccat gcgttaaccc 480
ggtgtatgag aaggggaggt gctgcccgcg atgtaaagat ggtccaaacc tcgag 535

```

<210> 1967
 <211> 281
 <212> DNA
 <213> *Xenopus* sp.

```

<400> 1967
gaattcggac tactacaggt ggctaatagc ccaggaccac cttccctata ctaggaaaaa 60
gaaactcacc aaacgtacta atataacttg ttttaattgc tatcaaaaaa gacatttagc 120
gcgccactgt ccagaaaaatg aggacaagaa agaacaaaat tctcctagtt cttataaagt 180
tgttcctgac cggcctcatg cacataaccc aaacccgggg aaatcttacc gtagtacgga 240
gggccccccg ggaacctacc atttcatacc aaaccttcga g                                     281

```

<210> 1968
 <211> 308

<212> DNA

<213> *Xenopus* sp.

<400> 1968

```

gaattcggac tactacaggt gaaggagtag gagggaaagt gaaaggaaat taacacgcag 60
tgattcctcg ttatcaaaga tgtcacggca ggattctagg caagatggca agaaaggctc 120
caccaaagaa agtaataaac gctctacatc tagtggaagg agcagttcag aatcgctgt 180
cctctacaag gataaaaagg ctaagaaatc aaaacgcagc agatcacatt ctgtggagaa 240
atcgcaaagg tctggtaaga aggcaagccg caaacacaag tctaagacc gatcaagatc 300
gtctcgag                                     308

```

<210> 1969

<211> 349

<212> DNA

<213> *Xenopus* sp.

<400> 1969

```

gaattcggac tactacaggt gcatgaagtt actgtttgct gctgcgctta tcgcgggctc 60
cgtgatcttc ttgctcttcc ctgggagctc agtggcagat gacaagaaga aaggggccga 120
ggtagccgat aaggatatac ttgatttaaa gatcggtgat gaggaagtag gaggtatagt 180
aatcggtctt ttgggaaaaa ctgttccctaa gacagttgaa aactttgtaa ccttgccaac 240
cggagagaaa ggatattggt acaaaggcag caagtccac cgtgtgatca aagaatttat 300
gatccaagga ggagatttcc ctctgtggaga tggactgaa ggactcgag          349

```

<210> 1970

<211> 319

<212> DNA

<213> *Xenopus* sp.

<400> 1970

```

gaattcggac tactacaggt gaaatacatt tgtgccatct tgtttgcttt gtaaattgta 60
atatttatatt gtatttcctt cctgggattg tgtgtcaggg ttgcttttct gatccagtgt 120
aattaacatt caactgtaaa ttttcaatcc attgatgtct cgccctgcagg ctctcttttt 180
tacatgtccc tgcgggatgt ttttagagtg gcggcattca ctggcttga tttcccatg 240
agaacacgta caatatctta ggtgtaacct ttaactctt tgttttgctt tctggggagg 300
gaatggggga actctcgag          319

```

<210> 1971

<211> 302

<212> DNA

<213> *Xenopus* sp.

<400> 1971

```

gaattcggac tactacaggt gtggggctct tccgtggagt tatggctgtc aaagtgttca 60
gttcattggga ttttaagtt actcagaatc gatctgtaca gagacagcga gaaaatatac 120
acatgcagct aaaggaaatg ctcaagtgaag gactacaaag tgaccgtcca actctcttaa 180
agaagcaact gaagggtcct ttcattctca tgcctctctg ggcatttgtt ttagggagct 240
ggcttggggc tgcagtagtt gtatatctgc tgtcagaaca tctacaccaa gttgggctcg 300
ag                                     302

```

<210> 1972

<211> 438

<212> DNA

<213> *Xenopus* sp.

<400> 1972

```

gaattcggac tactacaggt gaacccctga aaaactcttt gaaagtctca tctctccggt 60
tacaagcgat gcatttttcc gtgactactg ggaaaccaa gtccctgttc tccagggaag 120
ggatcccgcg ttaccgatt acttccagac ccttttccga ctgtcagacc taaagcacat 180
cgccgggggt gggatttact acgaaaggga cgtcaatgta ttcaaatgca gagacggcaa 240

```

gaaaatagcg ttgccaagac acgggaaagc cacttacctg catctcctca aagacttttg 300
 cagcgggaag gccgctattc agttccatca gcccagagg tttaatgatg ccttggtgca 360
 catcatggag aagttggagt gcttcttttg tgccttggtt ggaagtaacg tttacatcac 420
 tccccgggac tctcagag 438

<210> 1973

<211> 255

<212> DNA

<213> *Xenopus* sp.

<400> 1973

gaattcggac tactacaggt gataatctgt gtgtgcaaca gcgctgttat agtatctgtt 60
 gctgtaccgg taattacggt tatcattcga agagccacta gatcctcctg agctagacac 120
 cgaactgggt gtacttggtt agtgactatg gtccattgca gggcttgtag aattactatt 180
 acttgatatt gtcccttcac cagttgtttt cttgaagaag ttgtgctgga gggcatagaa 240
 aggggtggac tcgag 255

<210> 1974

<211> 410

<212> DNA

<213> *Xenopus* sp.

<400> 1974

gaattcggac tactacaggt ggggctttct tcaagggtgc ctgggtccaat gttctccgaa 60
 gaatgggtgg cgcctttggt ctgggtgtgt atgatgagct gaagaaagtc atgtaaactt 120
 atctttcttg agatgtctgt gaccaggcat gctgtattct gtaacctacc ctggacattt 180
 atggacattc taattttttt tttttgtca aacacactta tttataaaat atatagctgg 240
 taaacttatt agctgggtgt ttggggtcag ttctattaca tctcaccagc ttccacaat 300
 aataaatcat tccctttaag tctcttgctg cttttaagag cctgcaactg tgcttccttg 360
 caaggttttg gccctttggc agtgacagac tgattcaatg gagactcgag 410

<210> 1975

<211> 320

<212> DNA

<213> *Xenopus* sp.

<400> 1975

gaattcggac tactacaggt gaatacatct gtgccatcag agcctagcag tcttcagagc 60
 agtacacgta caagtctgtc agcttctcct gacgatatac ttgaacgagt tgctgcagat 120
 gttaaagaat atgagagaga gaatactgac acatttgaag cctctgtgaa agccaaatat 180
 aatctcatga ctgaacagaa taatgggtgc atgcagaaga aattattagc accagacatg 240
 ttcacagaat ctgatgacat gtttgacgca tactttgata gtgctcggtt taaggctgct 300
 ggaattggaa aagactcgag 320

<210> 1976

<211> 455

<212> DNA

<213> *Xenopus* sp.

<400> 1976

gaattcggac tactacaggt gagatgagct aatggatttt ggcctatcctc aaaccacaga 60
 cagcaaaatt ttacaagagt atatcactca agaaggctcat aaattagaaa ctggagcacc 120
 ccgtccacct gccacagtaa caaatgtgtt atcgtggaga tcagaaggca ttaaatatag 180
 gaagaatgaa gttttccttg atgtcataga atctgtgaat cttttggtga gtgcaaatgg 240
 aaacgtgtta cgcagtga taagtgggtc catcaaaatg cgagtgttcc ttccaggaat 300
 gcccgaaact cgtcttggtt taaatgataa agttctatct gacaatactg ggcgtggaaa 360
 gagcaaatct gtggaactgg aagatgtcaa gtttcaccaa tgtgtacgcc tgtcaagatt 420
 cgaaaatgac aggacaattt ccttcattcc tcgag 455

<210> 1977

<211> 299
 <212> DNA
 <213> *Xenopus* sp.

<400> 1977
 gaattcggac tactacaggt gaaaagtaca taagcaagtc gcttattgga ttgcttttc 60
 cagttatgtt aagtattact gatgtgtaca ttgttcttaa tgcattgtaa aacatgcttc 120
 ccttttgtaa aatatatggg ctttatttgg actctactgt tctacttttt aagatgtttg 180
 tgtgtttttt tggttttttt ctttgagtaa acataaagcc tgatttttgt attacttttt 240
 agttgtgtgt cagttgtact ttatcaaata aatctgtaaa aacacagcgc tcaactcgag 299

<210> 1978
 <211> 435
 <212> DNA
 <213> *Xenopus* sp.

<400> 1978
 gaattcggac tactacaggt ggaagctcag aaatagtaca cggatatccg gagcggctct 60
 gcagagaaca tggcggatgt actggattta cagcaggcgg gcggggagga cttecgctatg 120
 gatgaagatg gggacgagag tatccacaaa ctgaaagaaa aggccaaaga aaggaaagggc 180
 agagggtttg gtgcagatga aggcaccaga acgaggatcc gggaagacta tgacagtgtg 240
 gagcaggatg gagacgagcc ggggccccag agatctgttg aaggctggat cctgtttgtg 300
 accgggggtac acgaggaggc cacagaggag gatatacacg ataaatttgg tgaatttggg 360
 gagatcaaga acatccacct gaatctggac cgcaggacgg gcttccctaaa gggctacgcg 420
 ctagtggacc tcgag 435

<210> 1979
 <211> 478
 <212> DNA
 <213> *Xenopus* sp.

<400> 1979
 gaattcggac tactacaggt gcgccgagag gccgtttata aaatgcagct tttgtctga 60
 gggcagagtc tgcacaccct agagggtgtct ggacaggaga ctgtttccca gatcaaggat 120
 caaatctcct ctctggaggg aatctcttct gaggatcagg ttgttctcct tgctggctcc 180
 ccactttctg aggaacatac cctgcaacaa tgcggcgtat gtgatctcag caccttggat 240
 gtagttgcac ggcgtgttgg aggtaaagtc cagcgtcttc tcgctcgtgc cggaaaagtg 300
 cgaggccaaa ctccaaaggt ggccaagcaa gagaagaaga aaaagaagac tggccggggc 360
 aagagacgca tgcagtataa cagacgcttc gtcaatgtcg taccacctc tggcaagaag 420
 aagggaacct atgccaaact ttaaatgac agagttcaat aaacaactga aactcgag 478

<210> 1980
 <211> 346
 <212> DNA
 <213> *Xenopus* sp.

<400> 1980
 gaattcggac tactacaggt gaacagaggc gccatctgtt ctgcagataa ggacagtgtg 60
 tatgagatgg aatcacactg aaatataatc ccagaaatag cagtgccag ttgcattc 120
 actctctgta catgggggta tgaattcaca gagatctttg ccccatcatt cagatttaac 180
 ccaacacttt gcgccaaatc ctacgcgagg gagaaaacca atctccttgc ttattactta 240
 cctttgcctc cttattttaga tgagccgctg agaattgtaaa ataacattta tacataatat 300
 tgatatatac tatggcccat ggtgttacat tgaccaacc ctcgag 346

<210> 1981
 <211> 310
 <212> DNA
 <213> *Xenopus* sp.

<400> 1981

gaattcggac tactacaggt gtgataacgg cgcagctctc cactcaattt cagataactgc 60
 taatggaatc tgtcttctcc aattgtatta tgagaagccc taatttgcta tggagcttgg 120
 agctgtcatc agttggggat tgtgggggtca catgggagct gccaggtttt tgccttgacg 180
 tttgtatctt tcactttcaa tagcacagcc ccctgcctgc cagtttagctg ataggccgcc 240
 atgggggtta tgccacttca tacaatagga ccgggctgca caggctgact ttctaattgt 300
 caagctcgag 310

<210> 1982

<211> 341

<212> DNA

<213> Xenopus sp.

<400> 1982

gaattcggac tactacaggt gcaaagagaa cgcgagcggc agaggcagag agagcgagag 60
 atcagagaaa tggagagaca aagggaacga gaccgcagag cccgtgaacg tgttcttatg 120
 atacgagaaa gagaagaacg ggagagactg cgaaggagc gcgccaggct tgagtttgaa 180
 agagaccgtc ttgatcgaga acgtatggag cgcgagagac tagaaagaga gcgaatgcgt 240
 atagaagaag agcggcgaaat agagcaggag cgcattcaca gggaaaggga ggagcttcgt 300
 cgtcagcaag accgattacg ctatgaacag gatgcctcga g 341

<210> 1983

<211> 301

<212> DNA

<213> Xenopus sp.

<400> 1983

gaattcggac tactacaggt gcgcgctccc gcggagttag gcaatagggt ttgctggaga 60
 gagcgattga gagttagatt tgctgcgggc gcttttaggga ttcatttctg tcccgagtgg 120
 aactaacatg agactccccc ggaataagtg gctgggggca gcgctccttc tctgctaac 180
 ggtctcgtgt agagtgcgga gcgacgaacc cactggaccc ccatacaact caacagaaaa 240
 aacaataaca agtgctcccc tgcaaccgac cgcaggcagc aatataacag acatcctcga 300
 g 301

<210> 1984

<211> 304

<212> DNA

<213> Xenopus sp.

<400> 1984

gaattcggac tactacaggt gattgtatgt ccagcttcca actcgtgcct cagaggaaat 60
 acactgacaa cttcaaaact tgttgaaatt caagatggaa ttctggaaca agtattcctg 120
 gacaaacctg ttggtgcggg ctctgatttt cgtgactgtt gatcggattc agtctgacga 180
 ctcaatgtgt ccacaggaca tggatatacg ctgcaagcgg atttgctaca gtaactgtga 240
 caatctaaac agcaccagtg aaggctgcat tgagatatgt aagctgggat gcgaccgact 300
 cgag 304

<210> 1985

<211> 474

<212> DNA

<213> Xenopus sp.

<400> 1985

gaattcggac tactacaggt ggtggataac tgtgtgttca aacgtgggtga caaggagacc 60
 acatgtacag atctggaggg attctgggat atgatctatt ttcagataga agatgtaaaa 120
 gcaaagtttg ttaattcttg caagctggag gagaattctt ggcaacaaaa cacagcccca 180
 accaaaaaaa tcataaagaa aaagattgcc cctgctgcaa catcaaagtc aagccaaggg 240
 gataatggca gggctgctgc tctgagtcgc ctcgctgcta ttaaagctgc cttgaaaaac 300
 aaaggaaaagc aggaggagcc caatgtagag gccccagcac tgccatccca agttgaagaa 360
 gttgtgttgc atgcagggtt ttttcgagtc gcaagccctg ccaaagttgc taacagtttt 420
 agggcaaaat gcagttcttc ttgggtcatcc cctactcccc agcccccaact cgag 474

<210> 1986
 <211> 347
 <212> DNA
 <213> Xenopus sp.

<400> 1986
 gaattcggac tactacaggt gaaagacacc attagaaaag ccctggaaaa ctccaacgtt 60
 gtcattaacc taatcggaag agagtgggaa acaaagaatt ttagttatga agatgttttt 120
 gtgaatattc cgagagatct tgcactgcta gcacgggagg ctggagtaga gaaattcatt 180
 cacatgtccc atcttaacgc tgacctgaaa agcccatcaa agtatctgag gaataaggct 240
 gttggagagg ccgctgttaag ggaggttttc ccagacgcaa tcatcatgaa gccttcagaa 300
 atgtacggca gggaagacag attcttcaac cattatgcaa actcgag 347

<210> 1987
 <211> 275
 <212> DNA
 <213> Xenopus sp.

<400> 1987
 gaattcggac tactacaggt gaaaaaaaaa ctgcagcact cttacaagtt tctgtgctgc 60
 atattgccaa taatgggtgc aacaacctcc tggatattaa tcctacaata tattttgttt 120
 tgaacttcat ggggtgtcaga aacctgtcta tgcattccaa cctactcgag gtaggggaaga 180
 gtgcaaagtg cgtttgtttt acctagattt ctgaaatgtg ataatctcgg aatgtttttt 240
 atttcacttt tattttatga ctgtgtaagc tcgag 275

<210> 1988
 <211> 489
 <212> DNA
 <213> Xenopus sp.

<220>
 <221> unsure
 <222> (17)

<220>
 <221> unsure
 <222> (22)

<220>
 <221> unsure
 <222> (25)

<220>
 <221> unsure
 <222> (61)..(62)

<400> 1988
 gaattcggac tacgacnggt gnaanaactc atacaggtga gaagccattc aagtgtgagt 60
 nngaaggctg cgatagaagg ttgtgcaaca gcagcgacag gaaaaaacat atgcatgtgc 120
 acacgtcaga taagccatat atctgcaaag tgtgtgataa atcctacact caccacagct 180
 ccctaagaaa gcacatgaag gtteatgaat cacaagggtc tgattcttcc cctgcccga 240
 gctcagggtg cgaatctgct accccaccag caatggtttc tgccaacagt gtggaacctt 300
 ccaaaaattc atcagcaaca catcagacta acaacaatc tcataacaca ggactacttc 360
 cacctaattt taacgaatgg tatgtctgag caaaatgtag agaggcctag tcatgtctaa 420
 caaaaggacc atgtgcaaaa aaacagaatc caattttttt tatgttgaac caaggcgga 480
 atgctcgag 489

<210> 1989
 <211> 507
 <212> DNA

<213> *Xenopus* sp.

<400> 1989

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gaattcggac tactacaggt gggttacatg gcttctctec gactgtctgt gctgctcgtg 60
tccgtctcat ggctgctgct gctgggtgtct ggggtcccg cggggcctcg cactcttgct 120
ttaatggaga acatcgacct gcgggagacg cactctctct tcttcgcag tctatcggac 180
agaggatttg acttgctcct caaaacagct gatgatccga gcttgctcct tatcaagtac 240
ggggagtctt tgtacgacaa tctaaccatc ttttccccct tcgttgaaga tttcgggggg 300
aacataaaca ttgagaccat cagctcattc atcgatggtg gcggaagtgt gctgggtgca 360
gcaagctctg atattgggga cctctccgg gagctgggca gcgaatgtgg cattgagttt 420
gatgaagaga aaacagctgt aattgatcat cataactacg atatctccga cccgggccag 480
cacacactta ttagggccga cctcgag 507

```

<210> 1990

<211> 294

<212> DNA

<213> *Xenopus* sp.

<400> 1990

```

gaattcggac tactacaggt gttccagttc agtgaaccct cagttaaata tacttgatgt 60
tagttaatga taatggaaag gttatgtcat tataaaaaaa tgaatcaagt cttagatgg 120
ttttcagctt gtgaacaaac aaaagggcat caaccaagg ggaacaaatt aaatactctg 180
gcactattag cagtgtgttt gttccttaac agccatttcc tttgcattgg ttctggatct 240
cgtagatctt tctttttttt tttaaatgta tttgtatgca ctgtgtaact cgag 294

```

<210> 1991

<211> 279

<212> DNA

<213> *Xenopus* sp.

<400> 1991

```

gaattcggac tactacaggt gaaagacatg aacaatggtt ggtagtaaag cagtagaaaag 60
tcagcaaagc tactaaatgg cttgtgaaat gttctggttt agaattggtc taaacttccc 120
actgaatcca taactattgc catcttaagc agttattctg tgggtgtgctt aaaccttatt 180
gttaaacctt ttgtttttta attgaatacc ttgcaagtag aattttgtggc atgagtaatc 240
agtctttgct gaaccacaac ttctgacca gtgctcgag 279

```

<210> 1992

<211> 302

<212> DNA

<213> *Xenopus* sp.

<400> 1992

```

gaattcggac tactacaggt ggagaaacat agccactgtg acctgttcat atgtacatca 60
ttgtacaatt tttttagtgg atgcaattta ttttgtgtga ttgtacatta ctgaactgga 120
atgtaactgt tctcagaagg gttcattttt gagaattgaa tgtctggctg gaaatttctg 180
atcccatacc aaaactgggt ttgtaagcca tatattacat gtgaaacata cattgagtta 240
attgcaatag gcttaaaaaa gaagtagcat attccagcca tcataccagc agcccgctcg 300
ag 302

```

<210> 1993

<211> 554

<212> DNA

<213> *Xenopus* sp.

<400> 1993

```

gaattcggac tactacaggt gggccacagc aatatttctg ccgttctatc agaagttcct 60
gttggtcatgt ggtacctgaa gagagccgtg cgtcgtatcc atcggcagct tcttggtgta 120
atttccttcg tacaacggga cgcagtctga gaaacggata aagctccatt gcgcacgtac 180
ttattcagtg tgcttgccat gtatatacct tggagtgtat ttattgttgc atatcgttcg 240

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taagtcttgc acatattttc atgtttttct catgaaatat ttttaagaaag gtgtggccag 300
 cataatctct tgttttacat ttgtattgct ccttgtttat aaatgtacat gtcattgcaac 360
 gtaattgtct ttttttacag gctgctgtat acgcaacttc aaattgatct cttttgagca 420
 acggcagtggt aaataaagca cagtattagc ggaaaaccaa tagttagttg cctttgtaca 480
 gagcttcccc tgcagtcatt ttaaatcacc atataatgct gatgtacagc cttagctagag 540
 cccagtcact cgag 554

<210> 1994

<211> 279

<212> DNA

<213> *Xenopus* sp.

<400> 1994

gaattcggac tactacaggt ggtaaagatc cagggcattc gagttaaaga cgagagccca 60
 ggaatcaggg attttgaagc aagtttcacc agactaatgg ataaaaaac aaacggcaca 120
 aggatcgaga tcaacgaaac tggtaacctc ctgtactatc agcccggtct tctctctgga 180
 ggaaccttgg agcatgactg caatatactg cgctctatcg gctattattt agaaagtctc 240
 ttttgcctag ctccctttat gaagcaccgc catctcgag 279

<210> 1995

<211> 298

<212> DNA

<213> *Xenopus* sp.

<400> 1995

gaattcggac tactacaggt gcaaaatgga aacatgtttt agcagttgag attaatgttt 60
 gtacagatcc cttaagagcc tcttacacat gcagagtgc atagctagt gtgagcctga 120
 aacattcttg ctataggctt cttgtactgt ccgttcaagc taacttgatt tataaacctc 180
 tgettggttc tttgcctgag gaatatcttc attttcagtt gaagtgaact tgtatcaa 240
 ctaagaattg gcattttggc taccaggtc tcttggtat aaataaagc ccttcgag 298

<210> 1996

<211> 325

<212> DNA

<213> *Xenopus* sp.

<400> 1996

gaattcggac tactacaggt gcagaaccgc aaaagaaatt gatcaagaag cccaggtcag 60
 ccttagtgat ctaagggacc cacaacatga ccttgacagg gtgaagaagc cagagtgggt 120
 cattttgatt ggtgtgtgca ctcaccttgg ttgtgtgccc attgccaatg ctggtgaatt 180
 tgggtggtat tattgcctt gtcatgggtc ccattatgat gcattctggt gaattcgcaa 240
 gggctcctgt ccattgaatc ttgaagtctc agaatacgag tttccttctg aagatttagt 300
 aattgtcggg taggtacgac tcgag 325

<210> 1997

<211> 439

<212> DNA

<213> *Xenopus* sp.

<400> 1997

gaattcggac tactacaggt ggttttagtg taccatcagt tgtgatttgt gtttagtcag 60
 gttatctatt acaagtaacca cttagcgatg ctgaaattcc gggagaacta attgctccga 120
 taatacgttc catctaatc atcctcggtc atgtgcgcta aaacaaattt taattttgaa 180
 gtggacctgt cgcacagaca cggaaagctg tgtgatggag gtccctttca ggttgaacat 240
 gtccaaaaat ccggattcta tctttgttta aagcatctat ggctgtaggc tcgtttgggg 300
 atctcagctg tcaatcagat gtggtctgcc cctcctcggt gccttagggc ggcattggagg 360
 cgggacagac ggttccctat gctttccatt cgggcctttc tgggtgtcgc tgcctctcgc 420
 acgttccctt attctcgag 439

<210> 1998

<211> 409
 <212> DNA
 <213> *Xenopus* sp.

<400> 1998
 gaattcggac tactacaggt gggctaccct atcacccctt atctggaaaa ggagcgggaa 60
 aaggagatca gtgatgatga ggcagaggag gaaaaagaag aaaagaagga agagggaagga 120
 gagaacgaca aacctaaaat agaggatgtg ggctctgatg aggaagagga agggaaagat 180
 aagaagaaaa agaccaagaa gatcaaggaa aagtacattg atcaggagga gctgaacaaa 240
 accaagcccc tctggacccc caacctgat gatattacac aggaagagta tggagaggtc 300
 tacaagagtc tgaccaatga ctgggaggat cacctggctg taaagcattt ctctgtggaa 360
 gggcagctgg agttccgtgc tctgtattc atccccgcc ccgctcgag 409

<210> 1999
 <211> 364
 <212> DNA
 <213> *Xenopus* sp.

<400> 1999
 gaattcggac tactacaggt gcaaattact tacaatgtag gtgggttgtg gttcagttga 60
 agttaaattg gtattgtcga actacaaact actttcacac tatatagaag ttgcttagaa 120
 ttagctattc tataactcac ttaaaattac cttaaagggtg aatcaccact ttaagccacg 180
 tgtctcataa gaagaaatga tcctacaaat aacttttaaag gctgaatttg gtaaatattt 240
 ggatgcagag gtaaaggagg ggattattac tggagaaacc agtgattagt ttgagtgcga 300
 agaacaata ttctgtatat atactttccc ccaaacaaca tgtccccacc ttagtagtgc 360
 cgaa 364

<210> 2000
 <211> 308
 <212> DNA
 <213> *Xenopus* sp.

<400> 2000
 gaattcggac tactacaggt ggagccatgg gtccttggag gtatctgttt gggctgtgct 60
 ggttcctgca ggttcatttt gcccgatcgg ctgttccttt gcttgcaaac tccgatttct 120
 ttagectcaa tcccactcag actacgatta cggttgaacg gccgttctgc atgtttaaag 180
 atgccattga cgttttatctc tttgccattg tgaaagggtgc cacaagcacc caagtgtgctg 240
 atgccgccaa gaagggttatt gcctctaact acactggaac ccaggggaggc ctactgggac 300
 ttctcgag 308

<210> 2001
 <211> 304
 <212> DNA
 <213> *Xenopus* sp.

<400> 2001
 gaattcggac tactacaggt gggttggttat cctgagagtg tgaggtagcg gaataagaga 60
 gaggaagggtc atgcccacca tggggaagaa acagaatggc aagagcaaga aggtggagga 120
 agccgagcct gaagaatttg ttgtagaaaa agttatggac aggcgtgtag taaatggaaa 180
 gggtgaatat tacctcaaat ggaaagggtt tacagattca gacaacacct gggagcctga 240
 ggaaaactta gactgtccag agttgattga agcattcctt aattctcagg aggcagggtc 300
 cgag 304

<210> 2002
 <211> 372
 <212> DNA
 <213> *Xenopus* sp.

<400> 2002
 gaattcggga ctactacagg tggtaaatat ggagactctc ggtggagcgg agggagggga 60

gacccaaca gaagagccgg acaatgtaga actaagaaga cgccgacttc agaaactgga 120
 aacaacagat tctcaataaa agacttaacc ctctctgaca ttcccaaagt ctgctctctg 180
 acactgaacg accaggggaa ttctgcttct tgaagaagcta cgttttgctt tgccgaggact 240
 cagcagccat ctttggaaca ctttgatatg aacttcgtta aatataatata ttttttacga 300
 ctacacaagg gttcttatgg cagatgctca gtgatgaaag gactactggc ctcaatatcg 360
 gggggactcg ag 372

<210> 2003

<211> 287

<212> DNA

<213> *Xenopus* sp.

<400> 2003

gaattcggac tactacaggt ggtggattta cctgaggaaa acagagagggc tgcatacaat 60
 gccattactc tgcttgagga attccatgac ttgatcagc cgctacctga tctggatgac 120
 attgatgtgg ctccagcagtt tagcttgaac caaagtcgag ttgaggagat tacaatgagg 180
 gaagaagtta gcaacattaa tatcctgcaa gataatgatt ttgttgactt tggcatggac 240
 gaccaagaga tgatgcgaga aggcagcgct tatgaagatg actcgag 287

<210> 2004

<211> 414

<212> DNA

<213> *Xenopus* sp.

<400> 2004

gaattcggac tactacaggt ggccatgcag catctttgta gcttcatctt tttcttgcac 60
 cttcttcgag gttctgccag ccaaaccatt gaggcagact gcaatgacca caatatattt 120
 tacgcagtag ataaggcact gagacaccac aacaaggcgt taatagatgg aaaccagttt 180
 gttctctata ggatcacaga tgccaagata aagactgata atagcgatgg gatacataac 240
 ttgtgcagct atgatatacg agaaggttcc tgtggagtaa aaagtggcaa attgtggcag 300
 aattgtgatt ttaagcaatc tgatgaaaaa gtgggtaagt gttcggcaca cgttgtagtc 360
 aacaaagagt tcaagaccag tgaagtcacg tctcagaact gtagcacact cgag 414

<210> 2005

<211> 280

<212> DNA

<213> *Xenopus* sp.

<400> 2005

gaattcggac tactacaggt gatcatcaga gatcaaaaaga cagggatcgg caaaggattc 60
 ggctacgttt tatattgagag tgcagacgcc gtccaactag cgctgaagct gaacaactct 120
 cagctctcgg gaagaaggat ccgggttaag cgacgcgtta cggcagagggc cgcccaaaaa 180
 agtacaaca aaacaagttt taagcagaag ttggacacat taaatcaaac aaaaccgatt 240
 aaggccaaca gttttgtcgg cgaaacagcg gagcctcgag 280

<210> 2006

<211> 319

<212> DNA

<213> *Xenopus* sp.

<400> 2006

gaattcggac tactacaggt gcatgaggat tctgagctta ttgcattttt ctgggaacct 60
 accaaacacc cccattgccg gtgttctgag tacgctaggt cttagcttct ggtgtccacc 120
 cctactttca ccaaacatat catctacaag aagctgcttc tgtgccatgg cagaaatgca 180
 agatagtac aatgaaatgg ggctgtacac cccaaatcct gaagtacgtg ggatgacttg 240
 tctaaatcgg gatgctttca ataaaaccat acacgttccg gtaattaaag taaagaaaga 300
 aataatcaat agactcgag 319

<210> 2007

<211> 315

<212> DNA

<213> *Xenopus* sp.

<400> 2007

```

gaattcggac tactacaggt gcaagcttta cagtaagaca tcccatggta ccatatacct 60
ttataaggct tgacattgca tgaaatattt agcttgaaac aaatgtgaaa aataaactaa 120
cagtaaaata attagcttac atgaatacaa agttaaaaca aaatatgtat tagttcaaag 180
attcagcaag gcatcataaa tgaataaaac aactttgttc tacagtgtct agagattgct 240
gcttagccaa tatctagatg atatgtacct gtgcaaatec ttaacagtgc agaaaaacac 300
ctgtagtagt ccgaa                                     315

```

<210> 2008

<211> 332

<212> DNA

<213> *Xenopus* sp.

<400> 2008

```

gaattcggac tactacaggt gtacaaacct tccagggtat tctgcaacag ttttactaat 60
ttttctgagg tggccatagt acatttgtga ttcgctatgg gggttgatgt actgttgggt 120
gggtgcattc acaaccggg gtggcacact gcacatatga taaataacttg tcttatatta 180
ataggcctgg ccttgcaccac taatatggaa aaacccatt ataagatggc tgtgtggcta 240
ctggctgtga taagcagcat agcaactctt taccatataa caaaaaaagt tagcttgctg 300
gtgatctcta cttgccaacg tgtgctctcg ag                                     332

```

<210> 2009

<211> 274

<212> DNA

<213> *Xenopus* sp.

<400> 2009

```

gaattcggac tactacaggt gagccaatga actgggaatg cttctttaca gtttccttga 60
cacgtttctc ttcagggtac tcagtctgat ctccctcag atgcaggatg actttggtac 120
cacggccaat gggctcacca gtatcaacct tcacagtga ggagccacca gcagaggatt 180
ccaagcata ttgctcatca tcatttgtgt tggtaatgac cacaaccttc tctgccacca 240
ggtagtcaga atagaaaccc acaccgacct cgag                                     274

```

<210> 2010

<211> 326

<212> DNA

<213> *Xenopus* sp.

<400> 2010

```

gaattcggac tactacaggt gcattgatta gatcactgca gcataactgt ataaatatct 60
atagactaag gtgcatttct agatgctgga aaaactgcag cacaggatgg gccaaatgtg 120
tactggaagt ttgggttgca gaagtctaaa ggtaaggaga agttggcagt gatggaccg 180
attatgggat ggtctttgta agcctctgtc gtaaaggggt tatttgcctt tgggttgact 240
tttagtatga tgtagagcag tgatccccag ccagtggctc atgaacaact tgttactccc 300
agtggcctca aagcagatga ctcgag                                     326

```

<210> 2011

<211> 265

<212> DNA

<213> *Xenopus* sp.

<400> 2011

```

gaattcggac tactacaggt gcaacatcaa gccagcttgg attgataata gtcacaattg 60
gactaaatct tcccctaacta gccttcttcc acatttgcac tcatgcattc tttaaagcta 120
tattatttct ttgttcaggt tctattatcc atagccttaa tgatgaacaa gatattcgaa 180
aaataggagg octacaaaat tctttaccaa tcaactacac ttgcttaaca attggcagcc 240
tagccttaac cgggacaagc tcgag                                     265

```

<210> 2012
 <211> 335
 <212> DNA
 <213> Xenopus sp.

<400> 2012
 gaattcggac tactacaggt gagaagatag aaaagaggcg gcagatcccg ttccacatgc 60
 acatcaacct ggagctgctg gagtgcgtct atctgggtgc ggccatgttg ctggagattc 120
 catacatggc tgcacatgag ttcgatgccg ggagaaggat gattagcaaa cagtccacc 180
 accagctccg tgtgggagag aggcaaccac ttctagggcc cccggagagc atgaggggaa 240
 atgtagtgcg tgcctccaaa gcaatgaaga tgggagactg gaagacctgc aagaacttca 300
 tcatcaacga gaagatgaac gggaaagggtc tcgag 335

<210> 2013
 <211> 281
 <212> DNA
 <213> Xenopus sp.

<400> 2013
 gaattcggac tactacaggt gcaaatcaat gcatgggttc taggggaatt tggacctag 60
 ttaccagatc acttaagatg caaattgaag agctgctgaa taaaaagcta aataactcaa 120
 aaaccacaaa taataaaaaa tgaaaaccaa ttgcaaattg tctcagaata taccctcta 180
 cattgtacta aagggtgaaca accactttta taaatagcag tgtgctcggc attaatgagg 240
 tcaataaatg gctgtttgcc cccattcaag caaacctcga g 281

<210> 2014
 <211> 365
 <212> DNA
 <213> Xenopus sp.

<400> 2014
 gaattcggac tactacaggt ggcttcttctc attctctgtc ggactttgag ctgggtccaga 60
 cgctttttat ccacctccct ctttgccagc aggaagagca ggatgccaga tggaaagccg 120
 atggcccatg ccagacctac tttcttcaga ggggtttttgg ctttgctgtg ggggatgtac 180
 tctgggtgtc tagaggcctg ttcttctgag tcagggtttg cccacagacg tgagtgggtg 240
 tgcagctgct ttgcattgtg tggatatggg gactggaaag cagagaactg tgacttcaca 300
 gagtcaacca aggcagccca catgcgccct cttctcactg acgccaacat ccttcgcgac 360
 tcgag 365

<210> 2015
 <211> 384
 <212> DNA
 <213> Xenopus sp.

<400> 2015
 gaattcggac tactacaggt gaagtgggtt ggattactaa gtgaggagcc agtgccctgtt 60
 gcagactcaa ttgttgatgc tctggccaaa caccttgaaa ttatgctctc atttgggcca 120
 ggagaaagag acatgattgt ttgagaaat gatattggca tcagacatcc ttctggccat 180
 ttagaatcca aaaacatcag ttgggtcgta tacggagatg taaatggcta ctcggcaatg 240
 gctaaaactg tgggctaccc aacagcaatt gctgctaaaa tgggttttga tggggaagt 300
 gaaagcaggg gcctggtaat tccactgacc aagaatatct atggaccaat attagaact 360
 gtcagggaag aaggaattct cgag 384

<210> 2016
 <211> 339
 <212> DNA
 <213> Xenopus sp.

<220>
 <221> unsure

<222> (114)

<220>

<221> unsure

<222> (117)..(118)

<400> 2016

```
gaattcggac tactacaggt gcagatacaa aggcccaaag ccagatccct gcttgaacag 60
tgaacaataa ccgttaaaga gggattttct ttgcttaaac tgaattactc tgcncnnca 120
agaaaagatt ccaacaccag gacaaatata caacatgttt tctccccccc cccccccat 180
tttttttttt tcttcccaat ctcttacgta ctttcaataa tataaataga tgtttggtgt 240
ttacatcact ctagaagcct ttcttgctac agggttgcag gatgaacctt tttaaaggag 300
tattttctcc atctttcttg acatgacaat gccctcgag 339
```

<210> 2017

<211> 430

<212> DNA

<213> *Xenopus* sp.

<400> 2017

```
gaattcggac tactacaggt ggggggcccc aaatacagcc atctgaacat ggaccttcat 60
gtgttcatag aggtcttttg accaccatgt gaattctata cagttatggc acatgcaatg 120
gaagaagtta aaaagtctct gggtccgctg acacctgagt cttttccata ccaggacatg 180
atggatgata tctgccagga tcagtttatg gatctttctt atcttaatgg agcaccacca 240
gagcaaaccc gaggaggatc aagaggtgga ccaaccaggg gccgaggggg cctccacct 300
cctgtagctc cttcttctag aggaagggtt gggcctcttc gccctcttgt tccaagaggt 360
gcccttggtc gtggagccat aacacgtggt gccagtgcaa gccgtcttgt acctccatct 420
gcttctcgag 430
```

<210> 2018

<211> 367

<212> DNA

<213> *Xenopus* sp.

<400> 2018

```
gaattcggac tactacaggt gaaaatttcg agagttgcac ttgaaaacga atgaggctcg 60
aaagctaaat catcaagaag tggtagaaga agacaaacga cagaagtgc ctagtaactg 120
ggaggcacgg aaagcccggt tagaatggga gctcaaaaac gaagagaaga aaagggaaatg 180
tgagctaat ggtgttgact ttgagcggga aaagcttttg gaaataagtg cagaagatgc 240
tgaaaggttg gagaggaaaa agaaaagaaa aaatcctgac ttgggatttt cagactatgc 300
agcagcacag ctacgccaat atcagaggct gacaaagcaa attaaaccag acacggaagg 360
actcgag 367
```

<210> 2019

<211> 345

<212> DNA

<213> *Xenopus* sp.

<400> 2019

```
gaattcggac tactacaggt ggagatgacg ggggaatggag cgaacgaccc gaggagaccg 60
gggaaaatac accggtataa agccccaacc acagagagct ctccaaactc agacgaccc 120
acgcctgatt atatgaacct gctggggatg atattcagta tgtgtggtct catgcttaag 180
ctgaagtggg gtgcatggat tgcagtttat tgctccttta tcagctttgc caattctcgc 240
agctctgaag acaccaagca aatgatgagc agcttttatgt tatccatctc tgctgtggta 300
atgtcttatc tacagaaccc acagcccatg tcacctaccc tcgag 345
```

<210> 2020

<211> 298

<212> DNA

<213> *Xenopus* sp.

<400> 2020

```

gaattcggac tactacaggt gacctgtgtg aaagtacaac gccatgggtc ttgaactgtt 60
aggcccaagt ttagaagatt tgtttgacct gtgcgaccgg acgttcacat tgaagactgt 120
gctgatgatt gcaatccaac tgatctcaag gatggaatat gtacactcca agaacctcat 180
atacagagat gttaagccag agaactttct tataggggcg cagggaaata agaaggagca 240
tataatccac atcatagact ttggactagc caaggagtat attgaccggg atctcgag 298

```

<210> 2021

<211> 289

<212> DNA

<213> *Xenopus* sp.

<400> 2021

```

gaattcggac tactacaggt gggggagcgg agacagtgcg cggggcacac ggagcggagc 60
aacagatata ggaatacgcg acttggttgc acgttctatt gctgagacgc aagggaagaa 120
caagggggccc cagggaaaac agcgacggat aagaggatcg gggtaaatgg tgattggagc 180
ccgcaggatg caccgccttt ggtcttttct cttggtgctg tgcccagttt tgcaggcaca 240
acagattact gtcaacgaga agatgactgg taccttgagc cagctcgag 289

```

<210> 2022

<211> 531

<212> DNA

<213> *Xenopus* sp.

<220>

<221> unsure

<222> (284)

<400> 2022

```

gaattcggac tactacaggt gctccacca attcgtgacc tatttctgtg agcaagtgtt 60
tcccatctcg agctctctca ccagcccagc tgaaggcatt gatgtccagc tagagggtgtt 120
aaagttgctg gctgaaatga gctccttctg tggcgacatg gataaacttg aatccaatct 180
gaacaaactg ttcgacaagt tgctggaatt catgccactt cctcctgaag aggttgagaa 240
tggggacagc gctgccaatg aagagcccaa acttcagttt agcnacgttg aatgtttact 300
gttcagtttc caccagctcg ggagaaagtt gccggacttc cttattgcta aagttgacgc 360
agagaagcta aaagacttca aaatcagggt acagtatttt gctcggagtc tccaagtcta 420
tattcgtcag ctccgcctca cccttcaggg aaaatctgga gatgctctga aaacagaaga 480
gaacaaaatt aaagtcgttg ctctgaaaat aaccaacaac atcaactcga g 531

```

<210> 2023

<211> 408

<212> DNA

<213> *Xenopus* sp.

<400> 2023

```

gaattcggac tactacaggt ggttacacca caaagtaaaa ttgtatggat ttctgaaacc 60
ttgtgcattg gatgtggtat ttgtatcaag aaatgtccct ttgtggcttt gtccattgtc 120
aacttgccaa gcaatctgga gaaggagaca acccacagat attgtgccaa tgcctttaag 180
cttcacaggt tgcctattcc ccgacctgga gaagtacttg ggttggttgg taccaatggt 240
atcggaatat ctacagcatt gaaaattttg getggaagc aaaagccaaa cctgggaaag 300
catgatgata ctccagactg gcaggagatc ttgacctatt tcagggggtc agagttgcag 360
aactacttca ccaagattct ggaggatgac ctgaaggcca tctctcgag 408

```

<210> 2024

<211> 324

<212> DNA

<213> *Xenopus* sp.

<400> 2024

```

gaattcggac tactacaggt gttatttgga agaagcagtg atgaatctag atcacagcga 60

```

```

tcccgtgact agagaccaca tggggaccgt tttaaatcaa gtgcggcaga aactttacca 120
gttcttgcaa gctgaacctc agaattgttt acaaaaacct gctcgacgtc tgttgataat 180
gctacaagga ctgggtgcctc ctacactgag ttaaagatcc tgcaatgaaa atattttaatt 240
gtgatccaaa attaccaaca tcttcaggca attcccattg ttaaaaattg aaagcattta 300
ttttagtata cgtccgtgct cgag                                     324

```

<210> 2025

<211> 276

<212> DNA

<213> *Xenopus* sp.

<400> 2025

```

gaattcggac tactacaggt ggagaaagac cataaaggaa aggaaaaggt ggagagaata 60
aaggatcata gcagtcaccac agatttttga atgaacgagc tagaaaaggc ctatcggaaa 120
agccagtcac caaaacgttt caaaatgcga gagggatttg ataaattaaa actggcagag 180
ctgcgttttg ccaaagagga agcagaacag gagaaaaaag ggcggtccag aaaggattcg 240
gacagcgact ccaaaaacca agaccctaac ctcgag                                     276

```

<210> 2026

<211> 430

<212> DNA

<213> *Xenopus* sp.

<400> 2026

```

gaattcggac tactacaggt gctcgtatag acaaggggga gccatacatg agcatccagc 60
ctgctgaaga tccggacgat tatgacgatg gattctccat gaagcacaca gcagctgccc 120
gtttccagag gaatcacaga ctgatcagtg aaattctcag tgaaagtgtg gtgcccgatg 180
tccgttcagt agtcacgact gctcgaatgc aggttcttaa aagacaagtt cagtcgctca 240
tggtgcacga ggcgaagttg gaggcagaat tgttacagat agaggatcga caccaggaaa 300
agaagagaaa attcttgga agcaccgatt cctttaacaa tgagttgaag cggctctgta 360
gtttgaaggt ggaggtggat atggataaga ttgcagcaga gatcgcctca gcagaagatg 420
caggctcgag                                     430

```

<210> 2027

<211> 466

<212> DNA

<213> *Xenopus* sp.

<400> 2027

```

gaattcggac tactacaggt gatctcatta aagttactgt gttctgcagg gatattgcta 60
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gtagtgtctg gaagtggatg ggtgctgatg ggcagagaag cacctgttag tagactgcta 180
ggcctgtcct cctgtagcat tgtctctgaa cttaaagctg ctgtattttt gggttacatg 240
aaaagtttaa ttttatgagt ccacttaaaa ttgcattcct ttagtgtaac aaggcaggac 300
agagcctggg tgcgtgttac atagtggcta caccctcttg atacacaaag tgaattagt 360
ttcatatctc cagttaacaa tgcagaagt tcttaaaatg tttgtttata ctgtcctttt 420
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<210> 2028

<211> 485

<212> DNA

<213> *Xenopus* sp.

<400> 2028

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gaattcggac tactacaggt gtggatgtag acacaccaag cgggacgaac aacagcgta 60
gtaagaagcg ctttgaggtt aagaagtgga atgcagttgc gctttgggct tgggacattg 120
tagtgacaaa ttgtgccatc tgcaggaacc acatcatgga cttgtgcata gagtgcacag 180
caaaccaagc ttctgctact tccgaggaat gtactgtggc atgggggtgta tgtaatcatg 240
cgtttcactt ccactgcatt tcgcgctggg tgaagactcg acaagtttgc ccgctggata 300
atagagagtg ggaatttcag aagtacggct attagaagct ccgcatgcac agatgtgagg 360

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cagtgtcacg gctgcagcct acttcagtcg ggcagaaacat tcaactgctt tccggcttag 420
 caccctgtca attatgatct ctgacctgtt cgtcatgttg acacacaacc caccctcccc 480
 tcgag 485

<210> 2029

<211> 347

<212> DNA

<213> Xenopus sp.

<400> 2029

gaattcggac tactacaggt gactgtgtgg gggctgggga gacacagaga gggagagaat 60
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 aggtaaacct agtcagtcgt tgctccaatt ctccaaaact tgtcttttct ctctgtctgt 180
 cagagtgcgc tccagagggg ttagggagag agaggggatt gaagctgttc tgctgcagag 240
 tagtgctgtt aatagaatga aggagctgtg gctgagctca gaactgagat gacactgttg 300
 ctgctttttt tgacaaaaa tttgagcaaa agaggggcct gctcgag 347

<210> 2030

<211> 302

<212> DNA

<213> Xenopus sp.

<400> 2030

gaattcggac tactacaggt gctatgtccg actccgagca gcagtatatg gaaacgaacg 60
 ccgagaacgg ccacgaagct tgtgatgccg aagcggccga gggttaagggg gccgggggag 120
 gccaaaacga cgcgaagggc gatcagatta acgccagcaa aggcgaggag gaggcaggga 180
 aaatgtttgt cgggtggctt agctgggacg cgagcaaaaa ggacttgaaa gactactttg 240
 aaaagtttgg tgaggtgtct gactgcacaa tcaagatgga cccaataag ggagatctcg 300
 ag 302

<210> 2031

<211> 355

<212> DNA

<213> Xenopus sp.

<400> 2031

gaattcggac tactacaggt ggaagaaaaa tttggccagg cagagaagac tgaacttgat 60
 gctcacctgg aaaatcttct cgcgaaagct gaatgcacaa aggtttggac tgagaagatc 120
 atgaagcaga cagaggtgct gttacaacca aatccaaatg cccggataga agaatttgtg 180
 tatgagaac ttgaacggaa ggcaccaagc cgtataaata ccgaagagca attagctcag 240
 tatatgaatg atgctggtaa tgagtttggc cctggaacag cgtatggaaa tgctctcatt 300
 aagtgcggag aaacacaaaa aagaatagga gtggctcaca gaggacttgc tcgag 355

<210> 2032

<211> 334

<212> DNA

<213> Xenopus sp.

<400> 2032

gaattcggac tactacaggt gctctccgca gcccacaacc tccggccaag atgtaccgcc 60
 tgtatgagca ggtctcctat aacagcttca tgcagccgc catctacatt gtccctggggg 120
 gctctctcct ctgtcaagt agactgaata agaggaaaga atacatgggt cgtgacctg 180
 cccccagttc agctagaagg tggcttgacc cactctgaaa ccaaccctcc cactctctct 240
 ctatgtttca atcaagccac cgcacacaga cccacttaaa ggggttgttc acctttaa 300
 gaacttctag tacgatgaag agaggattct cgag 334

<210> 2033

<211> 354

<212> DNA

<213> Xenopus sp.

<400> 2033
 gaattcccat agcaacaaac agtagaacac acagctgttt actggacatt tagaggactc 60
 cactttaccc gctctcattt tgcggtcttg ccgcccgttg atctggatat cgaggtcgct 120
 gatcaaaaac aaaaagtgtt tttcaagaat atgttttttg caagtttata gaagcctggg 180
 aagaaccaag gaggatgggt ttgctcttca gatttgggaa agagtcgagt cgctccagtc 240
 gccaacgttt tagtagctgc cgtctcccaa acagccctct gtgtttttgt atgtttttgt 300
 gttacggttg ttggtttcat ggacatcgac aacgttttac cagcaaacct cgag 354
 <210> 2034
 <211> 384
 <212> DNA
 <213> *Xenopus* sp.

<400> 2034
 gaattccata gcaacaaaca gtagctttta tacatgttag gaaaggaagc cccccccct 60
 atgatataatt ggattatttg tcaagacacc caactgtctg aagaagagaa acagatgcgc 120
 aatataaactt gatttcagaa acaatgcaga attttaaatt gattgtattt agaaagtgtg 180
 atactttagt atgaggagac aaattacatt ttgcgaatag ttcacctaaq caagcatctc 240
 catattttaa cttggagaat tcaaccgtaa attaaaaata cctacagcc ctacctaca 300
 cataccctcc cagcctagct gttactccgg gcaaatgtcc aggtttttgt tcatccctc 360
 ggtgcagatt ccgtccagct cgag 384

<210> 2035
 <211> 338
 <212> DNA
 <213> *Xenopus* sp.

<400> 2035
 gaattcccca tagcacaac agtaccagct tccagctggt gcctcagagg aaatacactg 60
 acaacttcaa aacttgataa cgacaagaaa ataaaaatag aaaaatgctg agagtggaca 120
 ccatgtttat cgtctgcgct ctagcattac atccacttta tgtctatgga gatgatggaa 180
 aggggggctg tgcgccta atcaagtcgga attctttagt aactgcctgt cccttgaatt 240
 gtcagaactt cagaaaccca ccagatgtgt gcatattgtc ctgcaagaga ggtgcttct 300
 gcaaggaacc ctatattttt caaaatgggg gactcgag 338

<210> 2036
 <211> 364
 <212> DNA
 <213> *Xenopus* sp.

<400> 2036
 gaattcccat agcaacaaac agtacacagg tatattgaaa tcttcaagag cagtcgggct 60
 gaggttcgta caaactatga tcttcccaga aaactctttg gtatgcagcg accgggcca 120
 tacgacaggg caggagccgg cagaggctat aataatttag gcagagggtt tgaccgaatg 180
 agacgtggag catatggagg aggttacagt ggatatgaag attataacgg atataatgag 240
 tatgtctttg gtgcagatca gagatttggg cgtgtgtctg ataatagata tggagatggc 300
 agcacgtttc agagcacaaac tggccattgt gtacacatga gaggactccc ccacagaact 360
 cgag 364

<210> 2037
 <211> 582
 <212> DNA
 <213> *Xenopus* sp.

<400> 2037
 gaattcccat agcaacaaac agtaggcgct aatatacctg cgtgtgacgt cacggattcc 60
 gaaagagata ggaactggag ccttgagtaa agaataattg gaggaagtcg ggctgttgcg 120
 cagaattctg aactattgat caaacgctct accaagtttc acatagaaca gcgtttgtgtg 180
 gtgactgcat ttccgtaagt gagccgcctc ttatttcttc aggaccgggt actgattcgt 240
 gtcttccggt cagaccgaga taaacaaacg ggctcagaa accaatcggc agactccatt 300
 cgtctgttac agcccgccca cgcggatccc atagtaatgg cgtgtgtgtt ggttgccctc 360

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ctgctgctta tgttcccttt ggcgctggca cagcagcagc cagcatgtga tggataactcg 420
gtcttggatg gggttggctc gcctgcgata ggtacaccgg ctccggcagct aatgattgag 480
ctagactcat cacgggtcgc caactccgag caggactgtt gggatctttg ttgttccacc 540
gagcgctgcg aactggctga gatgtccgag ggaagcctcg ag 582

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<210> 2038
 <211> 114
 <212> DNA
 <213> Xenopus sp.

```

<400> 2038
gaattcccat agcaacaaac agtagcttgg cggctctcgag ggttgtgtag ttgtgaaatc 60
atctgcatgc agttgtccat gttctacaaa ttcagttttg tagtctgtct cgag 114

```

<210> 2039
 <211> 344
 <212> DNA
 <213> Xenopus sp.

```

<400> 2039
gaattcccat agcaacaaac agtaaaagct gcccgggtca gtcacatgca ggatcccttc 60
ccttggggaa atgctcacct tcctatcaga tgctaaagcc ctgcaaaacc tttagcaatt 120
cctatgtaaa tatataacac tatgattttt cttcgatatg tgtcctttta gagcaatcta 180
gctttaatag gcaagctctt gagtgtctgag cagtacttac atagggaaca gaggagccct 240
tattgcatgg caggaaaatg ttacaaggcc tctcccagct ggcagccatt gtggggtttgc 300
cagaactgca catctctgcc acatggcctc accccaccct cgag 344

```

<210> 2040
 <211> 304
 <212> DNA
 <213> Xenopus sp.

```

<400> 2040
gaattcccat agcaacaaac agtaagttcc tgttgtgagt ctgggtgagt tcgctgaggg 60
aatggagcga ctgtgtctgt tagtggctct ggtctctctc tgccgggttc gtgccgtga 120
caccgccggt aactgtctct tccccgacct ggaaggcacc tgggagtctc aaataggaga 180
gggcaccggg gcaactcggg acaagacctt tgactgtctc cagttgggta aagtgagaac 240
caaaactgac gtcacactga aagaactgaa cattgtctgag gatcagaatg ggaacgtgct 300
cgag 304

```

<210> 2041
 <211> 405
 <212> DNA
 <213> Xenopus sp.

```

<400> 2041
gaattcccat agcaacaaac agtaaggaga tcgtcactcc ctcggtgata aggaagtagc 60
agcatggttg ttgtggggaa gacgagcgcc ttgcggcag gtgtttgcgg ggcattgttc 120
ctcgggtatt gcatttactt cgacagaaaa aggaggaatg accccaactt caagaacagg 180
ctgcgagaaa aaagaagaaa acaaaagatt gccgaagaga gagcaggaca gtcaaggtta 240
ccagatctta aagatgcaga ggctgtccaa aaatttttcc ttgaagaaat tcagcttgga 300
gaggagttgt tggctcaagg tgattttgaa aaggggtgtg atcacttaac aaatgcaatt 360
gccatttgtg gtcagcctca gcagttgcta caggtaatgc tcgag 405

```

<210> 2042
 <211> 251
 <212> DNA
 <213> Xenopus sp.

<400> 2042

gaattcccat agcaacaaac agtaagctgg agaagccaga ggagcctggg acaagacatg 60
 tgagggaatga agaccagagt ggaaggcaga gatgaagccg aactctattc cctgctttt 120
 ttggtacact ggatgagtga ggagaactac attttcacct gtcagctctt caccctgtc 180
 tgctaaactg gttacagata gaacctgtgc atccttctcc attccttaa ttagtacatc 240
 actggctcga g 251

<210> 2043

<211> 291

<212> DNA

<213> Xenopus sp.

<400> 2043

gaattcccat agcaacaaac agtaaaaacc aaaaagagc aggcgccaga agaagagacc 60
 cctgtagatg aaagtacaac aggggtcccc caggaaaccc agaccaagga tggagccgcg 120
 gaaacatctc cagaagcagc tccagagaat ggtgaatgtg acacagcagc gccctctagt 180
 gataatacag aggaagtaca gctgagcct gctgccctcc ctccaactga agattccct 240
 aaacctgtag agagtgaagc caacacagaa gccccagcg aacctctcga g 291

<210> 2044

<211> 360

<212> DNA

<213> Xenopus sp.

<400> 2044

gaattcccat agcaacaaac agtagtggtc agcaccaaat tgcaggttga tttaaaggtt 60
 caaagggagc agcacagcct ccaaagacca gattacaaag ctactaagc tcaatgaagg 120
 ctgagaagta aatcccttga gaagcatctc ccatagattt gcttaccctg ctaccagctg 180
 tcccttacc tgggagggtc aagaacggca tagtggtgt cattatctc tccagttact 240
 gggtctgcag gtgtaattat gaggcactgt ccactttgac tgctgctctt tatgctgct 300
 ctgccccaga gtccaatatt cctctcctag gttgctttcg tagatataga gctactcag 360

<210> 2045

<211> 281

<212> DNA

<213> Xenopus sp.

<400> 2045

gaattcccat agcaacaaac agtaaattta agtatattct ggcaaatctg gttagctttg 60
 tgccaaagcaa ctggtcacaag gggcggggtt tttaaataaa ctaagtgtgt ttgaaacct 120
 aaactgcatt acactttgtt ctctggggca ctgataatta atatctgcaa tcagattaat 180
 tgccgttaaa tgcagcagtt tctagaggaa cacaaactag ttaagtagtg tttgttcaca 240
 gatgtataaa taaagtgtgc aggtgcttgc ccttactcga g 281

<210> 2046

<211> 467

<212> DNA

<213> Xenopus sp.

<220>

<221> unsure

<222> (71)..(72)

<400> 2046

gaattcccat agcaacaaac agtaggaggg gatccccgtt ttgagaaga agaaaaagaa 60
 gaaacaggtc nnatgcgagg ggcttgagaa ccagcccacg tgggaaatga acatgaggac 120
 agacctgctt gagagcggca aggagagaat cctgaaacta ctcaacacgg gctcagtaaa 180
 ggaactgaaa tccctgcaga ggatcggaga caagaaggcc aagctgatta ttggctggag 240
 agaagtcaat gggcctttta agaattgtgg agagttggcg tgtttggaag gaatctctgc 300
 taaacaagta tcgtccttta taaaggcaaa tatcatgagc agcatcgcca gctgaaacct 360
 gtaccatcat caggctgcgg ccgggtcat acacgctcca agggccactg attttatctc 420

tcaccaacaa cttgaaatcc ctgagccctt tatggcaaag gctcgag

467

<210> 2047

<211> 294

<212> DNA

<213> *Xenopus* sp.

<400> 2047

gaattcccat agcaacaaac agtaaatgat tattgttatt tttttttttt ttatttcaca 60
gcaatagaac atacatttgt tgtttgcaca gagggtgcaga gatttcccga tgggtcgctt 120
gacctgattt tatttatggt tttatttgat gttgcacaga atatgaattt ttggaaataa 180
tttatecccg ggcaaaaaaa cataaaagtg gagaatgcag ggaccattcc taaactccct 240
cctatataac cattatccat ctgttacctc agagcaaata ccaactcgact cgag 294

<210> 2048

<211> 525

<212> DNA

<213> *Xenopus* sp.

<400> 2048

gaattcccat agcaacaaac agtacaggga tgtcgccatg taaaacagaa gggcaccatg 60
tgtgcgttat gaggctgctt ttttttccat ctgagacaag cgttgcttgc cctgtcaaca 120
aaatattatt ttattgacac tttatgaata gagggtcagc ctttttttgc actgtcatgt 180
tgtagaatgg accaaaaata accagcagac ccatgaacat tgcttaattt ttttctgatg 240
ttgcaaaactg agtggccgga cacattttag gagtcaagca atcatacaag ttctacattt 300
cctactagat cctctcaatt catccctaca aatgtacagt acctggccat taaaggggaa 360
ctaaagtcta aaatagaata atgctagaaa tgctgtatgt tgtgtactaa acatgaactc 420
actgcaccag aactatgtta aacatctttg caagaccaag actgtgcaca tgctcagtg 480
ggctctgggt tctgttggga ggttaagctt agggatttac tcgag 525

<210> 2049

<211> 415

<212> DNA

<213> *Xenopus* sp.

<400> 2049

gaattcccat agcaacaaac agtaagaagt ccgtgtctgc ttatccagct gcaaaatgcc 60
caactgggga ggtggaaca aatgtggagc ctgtggcagc aatgtttatc atgctgaaga 120
agtgcagtgc gatgggaaga gttaccacaa atgctgcttc ctttgatatg tatgccgaaa 180
aaacctggac agcacaactg tagccattca cgatgatgag atttattgtc gatcatgtta 240
tgggaaaaag tatggcccga aaggatatgg atatggccaa ggagctggca ctttgaatat 300
ggacagaggg gaaaggcttg gcataaagcc ggaggaaaat ctggcacggc agaataccag 360
ttcaaatcct tctaagtatg ctcaaaagtt tggagggtgc gagaaggacc tcgag 415

<210> 2050

<211> 414

<212> DNA

<213> *Xenopus* sp.

<400> 2050

gattcccata gcaacaaaca gtagccggaa ccatgatcgc taggggtgta ggtccctcgt 60
accagcaact ggcaaaagaac tgggtccctg tcctagccac ctggggatca gtaggagcag 120
tgggactgat atgggtcaca gactggaggc tgtctcttga ttatgttcca tatgtaagt 180
gaaagttaa ggaatgagaaa taaacttcta ccgataccat gtctactatg agcatgtct 240
ggatttggcc cagatcacaa aatcttcagt gtccagtatg ttaatgcaag gaaatggaca 300
gacctctttt acaccttgga tgaagctgct tatttatgaa taaatgttgg acttgcgtat 360
ttcagaatta tttgctgaaa tgtattgggt tctactttta ctgtactgct cgag 414

<210> 2051

<211> 432

<212> DNA

<213> *Xenopus* sp.

<400> 2051

```

gaattcccat agcaacaaac agtaattccc atagcaacaa acagtaaaaa tttgccagta 60
cccctaattgt gcaacaaaga gcaaacagct gtggagcaag tgccagagag ttctcaagtg 120
gagaaagtgc ttgctttgga gcacatgcct gagccagaga gttctgaact ggaagtggaa 180
cataagtctg agccagagag ttccgaactg gaagtggagc atggagagaa agtgcttccct 240
gtggagcaaa tccctgagcc agagagttct gacttagaaa tggccaatca ttctgttgaa 300
caacaaaaag ttccagcgga tgtattccctg actgcagctg atgccccaat actcccttcc 360
tcgcccacac caaatatata gaaggaaaat gagcaggaag cacctaagga gccagagcat 420
ggtacactcg ag                                     432

```

<210> 2052

<211> 364

<212> DNA

<213> *Xenopus* sp.

<400> 2052

```

gaattcccat agcaacaaac agtaagcaat tgaaaaattt gcattcagta agataactaa 60
ttaaatggta acctcccttc taatgacaca aggcattgta aatatcagat ccatcgccag 120
gatgagatag aaatgtagtc gcatatttac acaagggcaa aatcgaaatc taagttactc 180
cagcagtgtg ggaaacacaa cgtagcagtt ctgttaaaca actaattgac ctttcagtgc 240
acatcaaaaga caagttcact ttctctctcc atctgaactg tgcatgtgtg aatcaactgg 300
aagtgcacatt gcattgttga aacgggatag gaacctcctc cccattgcac ggcaataact 360
cgag                                     364

```

<210> 2053

<211> 393

<212> DNA

<213> *Xenopus* sp.

<400> 2053

```

gaattcccat agcaacaaac agtaagttaa tggccacgtt ctattttatt tttgaaatga 60
gacttgctgt tcagcattgc cagtataatc agaaagagga ctctgcagca atgttggaga 120
tctacttacc tagacaacgt cattgagaag atttgtggac cagaatctgt ttttatgtct 180
gctgacttga aatcccttcc ttataataat tggactgggt aggggtgttc ccagcaaagt 240
actgtattat tgtgattgta acaccacaca gaagaacata taggattaaag ctatttgcca 300
gatgcacaag tagcattgct cccgatgtgc tgattaggat atctgcataa aatgtgcctg 360
tgtgtatacc tcaataaatg ttcaaccctc gag                                     393

```

<210> 2054

<211> 332

<212> DNA

<213> *Xenopus* sp.

<400> 2054

```

gaattcccat agcaacaaac agtagcgcta aagcgacacg ataaacacag tgggagatac 60
caagtccgta gcgcacaggc cgctgcccc tctcactctc cagtggaaatg atcgtactac 120
ccgcgcgtgt gttcctcgct ctgctggttt tctctcaagc agcaaaccca tgctgttcaa 180
atccctgtca aaaccaaggg gtatgcattg ctgttggttt tgaccgctat gaatgcgact 240
gcacgagaac tggcttctat ggagaaaact gcactaaacc ggaattttta tcatgggttg 300
ggctgaagct gaagccgacc cccgtactcg ag                                     332

```

<210> 2055

<211> 383

<212> DNA

<213> *Xenopus* sp.

<400> 2055

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gaattcccat agcaacaaac agtagcactc tcaatctcat agtttttact tacaagggac 60
acccacgttg actccatctc tctcagtcgc ccaccgctg taagttggga gttcttctc 120
tgccagttca agtcttgaat cttttttcgt aacttctgaa gatctttctg cgcacagtca 180
atcatatgaa ccaggttctc gttattggct tccagacgt tgcagccgtg ctgggacatg 240
aactccaagt tctctattct gacggcctgg tgttccagtt gggccatcga attattgaca 300
cattcctgcc aagccgtgat gtcattctc tggccggatg agggggccgg taactcatac 360
ctcttcatgc tgagaagctc gag

```

<210> 2056

<211> 324

<212> DNA

<213> *Xenopus* sp.

<400> 2056

```

gaattcccat agcaacaaac agtaaggaga aaccatcaca tctgtctga aaaccgggaa 60
ggaaagagga tcccaactat ggataagagg ggcccatcgc taaccctttg cctgctgctg 120
ctgatctcca agatctcggc agaagacgtt tgcgagagtg gcctctacac aaacagcggc 180
aaatgctgtt ccttctgccc agcgggattc ggggtggtgg ttccttgcgg agattcagat 240
actaagtgtg aacctctgat agagaactct actttctctg atgtcagaag cgccaaggca 300
aagcgcacgc cacgtgttct cgag

```

<210> 2057

<211> 450

<212> DNA

<213> *Xenopus* sp.

<400> 2057

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gaattcccat agcaacaaac agtacatgaa tcaaaattct aattcctgag aatgagacat 60
tttaattccc ctttcgtgcc ttgcacattc tctgaactac gtccaataat tctaattttg 120
cagtgtatct tgtgccccta caaaagaatg cgttttcttt ctttatcttt aggattttat 180
gagctgagtg atgggacttc aggatccctc tccaattcct ccaactcagt gttcagcgaa 240
tgtttatcca gctgccactc cggcacctgc ttttgcaacc ctttggaac atcattaaac 300
ctcacagatg gtcaagcaaa gtctgcagac gactttcttg aatggctgga ctacagagaa 360
agtcaacatg aaactggcac agttcgccgc tccttttctg caccacatc caactctgtc 420
gacattgggg cagatgtgca ctccctcgag

```

<210> 2058

<211> 494

<212> DNA

<213> *Xenopus* sp.

<400> 2058

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gaattcccat agcaacaaag agtacaactg cagagaaaat gaagctgctt cgagcttgcc 60
tgctcctgat ccttttttat ttatctgca ttacagattg tgctacattc agatttgcat 120
cctattatgc cagccacatg gttttgcaac agaagccctc acaagctgtt atatggggct 180
atggagaagt tggggcttct gtcacagtct ctctttataa aggacctgag accattttta 240
aaaagtctgt tgccataaat gacgatgcag gtgtctggaa agtaactgctg gatcctgttg 300
atcatggagg accctactgg ttacttgctc agcaacatta ccagaaagac attactgatt 360
tgccctgca cgacattttg ttgggtgatg ttgggtttg tgggtggcag agcaacatgg 420
agatgactgt ttccacagga tttaacgctg gtaagaact ggcaaaagct gctgattatc 480
ccaaccttct cgag

```

<210> 2059

<211> 141

<212> DNA

<213> *Xenopus* sp.

<400> 2059

```

gaattcccat agcaacaaac agtaccata gcaacaaaca gtaggcagct tccttgctctg 60
aggagtggc tagtttgta aatccacagc caaattttac ggatcccgag gacgatcagg 120

```

atgaagccac tgttgctcga g

141

<210> 2060

<211> 549

<212> DNA

<213> Xenopus sp.

<400> 2060

gaattcccat agcaacaaac agtacttccc atagcaacaa acagtaattc ccatagcaac 60
aaacagtacc catagcaaca aacagtaccc atagcaacaa cagtaattta ctgtcctagt 120
agctgcatta gactgtaact tatttgcccc gtctcctaga gaagttaata tatgtccctc 180
ggacacgtga ccacgatttg cactagtgtt cattccggct tgtgaattgc tctgtggaag 240
cagtgaagcc ccccaacacc tgactgcttg ggattcccat cccccgagga gcaagtgate 300
tgaatggggg gcaactaacc accaaccatt ctatttgcta aactaagctg caaaccaga 360
gagcaccccc tcacctcttg tgagtggaca gaaatcttta ttgggggtcc taaattgcc 420
cgttgcaccc ccaaaacttt accattgacg tcttttaact gtgtcgtaag taccaccaat 480
tgcccccttt tccccaaaag agatcagaga gaaatgccct ttctaaaaat ctccagcctc 540
atgctcgag 549

<210> 2061

<211> 410

<212> DNA

<213> Xenopus sp.

<400> 2061

gaattcccat agcaacaaac agtaggggtt tcactatctt acaacagtac aaacaagggt 60
ttcaacatgg ctgccatttc atccagtggg tcacttgctg caaccatgt ctattaccgc 120
agacgcttgg gatccacttt cagcagcagc tcactgtgga gtgtggacta ctctggagaa 180
gtcatccctc accaccagg tctcccgaag gctgatccct gtcactgggt ggccagcttc 240
ttttttggaa aatccaccca tctgtcatg acaaccgttt cagaatcccc agagaactca 300
ggaagtttcc gtatcaccaa tggactgggt ccatgtggcc tgactcaaga gtctgtgcag 360
aagcaaaaag tcagtgate caagtctaac tccagcccc ctgcctcgag 410

<210> 2062

<211> 433

<212> DNA

<213> Xenopus sp.

<400> 2062

gaattcccat agcaacaaac agtacagcat gttgcagtgg aagaaaaaaa tcttgaaaag 60
tgctcgattc tttttctgcc tgctgatcac atttacattt cttctgaatg ggacatctcc 120
tggactgttt actcaggacc agcaaaaagga ttctgggtct cagatgttaa gtaataaaaa 180
aagggacact taccatgccc cagatgggtt ctgggaaatc aaatccaaac ttggctctac 240
aaaagcaata ccgaaaacag aattgcagcc aacagagtgg gatatttact ctactaactg 300
ttctgccaac tgggaatatta ccaaaatgga atggatataa tcattggaac cacatttcca 360
acagttcatt ctctaccgac actgccgcta ctttcctatg attattaaca accagcagaa 420
atgcagcctc gag 433

<210> 2063

<211> 378

<212> DNA

<213> Xenopus sp.

<400> 2063

gaattcccat agcaacaaac agtactcatt attcgtcttt atcggaggag ccgggggtcgg 60
cggtactgct gtggttttcgg agaagggaca ggtatagggg cagatataag gacaggtgta 120
gggtttccag gtgaaactag agccggagtt tcgtccttgg ttgagattga aggaggggcc 180
gtccgaccgg tctgacctgc tggggaagag gataaagaat cggccgagga agcgattatt 240
attattatta agtcggacag tcgcaagact ttgggttccg tctgttgag gatgaagttc 300
gtgtcggtgc tgagattggg ggcagcgcta atgtgtctcg tctgggtgac acgagcccg 360

aatccaggag cgctcgag

378

<210> 2064

<211> 280

<212> DNA

<213> *Xenopus* sp.

<400> 2064

```

gaattcccat agcaacaaac agtaaatctt tgcaagtggg ggaccacaag cgttggttaa 60
tatcatgagg acttacagtt atgagaaact tctgtggacc acaagtcggg tgcttaaggt 120
gctatccgtg tgctctagca acaagccctg tatagttgaa gctgggtggaa tgcaagcttt 180
aggactccat ctacagact caagccaacg tttgggttcag aattgtcttt ggacactaag 240
aaacctttca gatgcagcaa ctaaacagga ggctctcgag 280

```

<210> 2065

<211> 316

<212> DNA

<213> *Xenopus* sp.

<400> 2065

```

gaattcccat agcaacaaac agtactgtgt gtgggtccgg agagctgcag ggtcaagagg 60
ggtgtccggc ggcttgcctg tgaacttggc caacatgagg aagttttggg caatcggctc 120
ttgttgtata ttattggctt ttgcattctt tcaagctgaa gatgaagttg aagtggatgc 180
tactgtagaa gatgacattg gaaaaagtag ggaaggatct agaacagatg atgaagttgt 240
aagcagggaa gaggaagcaa tccagttaga tggcctcaat gctgctcaaa ttaaagaaat 300
acgggagggg ctcgag 316

```

<210> 2066

<211> 333

<212> DNA

<213> *Xenopus* sp.

<400> 2066

```

gaattcccat agcaacaaac agtacacacc agcaacacca tgaggatagg agccatcttt 60
gggttgggac ttgcatatgc tggttcaaact cgtgaggatg ttctgacctt cttgcttcca 120
gtgatggggg atttaaaagtc cagtattggag gttgttggag tgacagccct tgcctgtggg 180
atgatagctg tcggatctct taatgtgggc gttacatcca caattctaca aactatcatg 240
gagaaaatctg aacaggagct aaaagataca tttgctcgct ggttgccact tggcctaggg 300
ctgaatcact tggggaaggg tgaagcactc gag 333

```

<210> 2067

<211> 313

<212> DNA

<213> *Xenopus* sp.

<400> 2067

```

gaattcggac tactacaggt ggggcagaga aaatccgcca tgaaggacgg aaaagggaca 60
gggaaagcga agaagcattg gagaccgtac aagcaaagtg tgatggcagg cagtcagaag 120
gaaggaaaag ggttttcttt gtggagaaaa caaaagatcc agctggaata taaaaaacta 180
ctaaggaaac aaaagaagcc cagtactgtt aatgaagatc tctacaaaga caattacctt 240
gaacacttga agcaccgtga cctagctgaa gaagaaatgc tgaaaaagaa agaagaaagt 300
aggaaacctc gag 313

```

<210> 2068

<211> 412

<212> DNA

<213> *Xenopus* sp.

<400> 2068

```

gaattcggac tactacaggt gattcacctt cgggcagcac gacatgccca aactccggcg 60

```

```

ggaagatcta caaggagctg tgcactgca agctggcggt gtgaggccac gcgtcttcta 120
acgtgagaca aacgtgtgca tccaacgtgc gccattattg taggggaacc tgcggagact 180
ttttacttgc ggtgggtggc tctccggggg ctgcctgat catcgtcttt gccccttccc 240
ggtggaccgt actacctgtt taccacagt ggtgcctcgc ccaccctac attgaaggat 300
tctgtggatc aattccaggg gggagtccct gctgcgcctt ttcgtggtg gatcgtcttt 360
cctcgtcctt cgtgtccctg gccctctcca caatccccc ccaaaactcg ag 412

```

<210> 2069

<211> 310

<212> DNA

<213> *Xenopus* sp.

<400> 2069

```

gaattcggac tactacaggt gacccacccc tgctgttaac cctctctttg ccagttgttc 60
aacaagctgg gaaagagttg ttaaatcagt ctgtagcatg ggaaagctgt gaaactgtac 120
agtttaagatt atgtatttgc ctttaatttg gactgttccc ccccccccc agtttgccctg 180
ttatcatctg tgtctgagct gccctctgtaa tatggtctgc tcctaaacct gggactctgc 240
agtgtattag aataccttac ccccttccct tgtttaggtct tgattttaaa taaagaacca 300
agtgtctgag                                     310

```

<210> 2070

<211> 315

<212> DNA

<213> *Xenopus* sp.

<400> 2070

```

gaattcggac tactacaggt ggaattcctg agtttctactg agcgtacccc gagcatcgtc 60
tacaatatcc tcctcttcag tctgactagt gccctgggac agacctttat ctccatgacg 120
gtggtatatt tcggcccgcct tacttgctct ataatacaga caactcggaa attcttcaac 180
atcctggcct ctgttatact gttttctaact ccgatcagca gcattccagt ggtaggggacc 240
atcctggtgt ttttaggtct gggactggat gcaacgtatg gaaaaggatc caagaaaccg 300
ccccactgcc tcgag                                     315

```

<210> 2071

<211> 345

<212> DNA

<213> *Xenopus* sp.

<400> 2071

```

gaattcggac tactacaggt gcatcaacaa gaattggaaa gttcgaggcc aggttctttc 60
atgtggcttt tgaggaggag tttgggagag ttaaagggtca ttttgggcct attaacagtt 120
tggtcattcca tccaaatgga aagagttaca gcagtggagg agaggatgga tacgttagaa 180
tacattactt tgactcgcaa tatttcgact ttgaatttga atcctgagac agttgcttca 240
tgcttggtta tatectactt aatttgcgct cacacacaca atttaattga ttgctcaatt 300
acatcatgca gattgtatac ttttacaata aatggaaccc tcgag                                     345

```

<210> 2072

<211> 310

<212> DNA

<213> *Xenopus* sp.

<400> 2072

```

gaattcggac tactacaggt gttactttcc agggaaaaat taaacaatgt ctttaactcat 60
tagagtagtt gctgtgcaga ttcttcccag ttgcctctgt gtttagggag acattgtaac 120
actacaaaaa tgacataata actacttttc ttttctctac tgactctggt cttcaactttg 180
aatagaaatc tcaggcactt ggacactatc tggcctatac cagcatcatt catatacctt 240
tccttctgct tgaacccctt tacaagttgt ggaatcctga cgtttttctc ttttggctg 300
gagactcgag                                     310

```

<210> 2073

<211> 320
 <212> DNA
 <213> *Xenopus* sp.

<400> 2073
 gaattggact actacaggtg aaaatacaga gtggctttga ggattgcaaa ggacccatca 60
 tttgaacggc tgccttgctc tcacctgga acctatgcag atgactgcct tgtacaaaga 120
 gttactcagc acaaatgtta tattgtggct acagtggaca gagacctgaa aagaagaatt 180
 cggaaaatcc ctggtgttcc catcatgtac atctcaaac acagatataa tattgaacga 240
 atgccagatg actatggagc tctctgtttt taagatttgt ttgttcggca ttcaaaccct 300
 tattataatg tggactcgag 320

<210> 2074
 <211> 406
 <212> DNA
 <213> *Xenopus* sp.

<400> 2074
 gaattcggac tactacaggt ggtgacactg tatgtgacag aggaaacttg cagtgggcaa 60
 atatcaatac gtttcccaa tcataggaac attatcattc ccattggata aatctgccac 120
 taagtgtttg ggaatcaaga gacctagaga caatagagag cccaaggcat tctaattctt 180
 gttaaaactac aactcacctc acttatttgt atagacattg gctttatcca ataacagtgc 240
 taagactccc attgccattg tactttctct gcacaagtac cctggaagtc ttccctaaa 300
 ctttgccctta attcagagtt tccatgtggg tagtgtattc tgaacctttg ctgtatgttt 360
 ttgaggggcca aatcattctg atgtatactg caatgtgtac ctcgag 406

<210> 2075
 <211> 382
 <212> DNA
 <213> *Xenopus* sp.

<400> 2075
 gaattcggac tactacaggt gcaagcacag gaaacaagag tacgaaaaga taagtgaana 60
 gaagatgtcc actccagttg aggtgttgtg taagggcttt cctgcagaat ttgcaatgta 120
 tctgaactac tgcgcggctc tacgatttga agaggcaccc gactacatgt atctgcgaca 180
 actattccgt attctgttca gaacattaaa ccaccagtac gactacacat ttgactggac 240
 aatgttaaaag cagaaggcag ctccagcaagc agcctcctcc agtgggcagg gccagcaagc 300
 ccaaaccccc acaggatttt gaacatgaaa ggagcagaga tcacagacca ggctggagct 360
 ggacctgtca ctccctctcg ag 382

<210> 2076
 <211> 615
 <212> DNA
 <213> *Xenopus* sp.

<400> 2076
 gaattcggac tactacaggt gatcaggagt cggatttagt tcgctaggca caaggattcg 60
 gctgaatcca aatcctgctg gaaaaaggct gaatcctaaa cagaaattct ggattcgggtg 120
 catccctagt tttttaataa accgggacca attgctctag aaatcacgtc tatgaactag 180
 gtcatttacc tttccctctt gtaggaaagg acttgggtgt ggagcaccgc gtatgaattt 240
 ttgcgtctcg gcttattagg attatttcta ctgttccttg gatgttcggg gtcgtgatgc 300
 ctttgccgag acctgttaat tctctgtatg ttcatcgctt actttctttt cgtccctaaa 360
 aacctgcaat gcttttgtct gaattctgtg ttgttttttt taaagtgtgt ttctgtgaga 420
 agtttgtatt tggtaatctc tagatatgtg ttaatgtttt actctgagtc gtgtgcacct 480
 ttatatccat tccatgcaat ctttcattta gtcccccttg ctttccaggc aggattccga 540
 cacgttacaa acctttccat ttggagacct ctctggggaa taaacgggtt caaataacca 600
 cttcaacggc tcgag 615

<210> 2077
 <211> 397

<212> DNA

<213> *Xenopus* sp.

<400> 2077

```

gaattcggac tactacaggt gagcgagacg aatcggaat gctgaatcct tccaatttat 60
ttcaccaaaac cgtgtcaaat aattttgttg atatttcaaa aggtctcccc atgtctttgt 120
atggggggcac agtgatccct tcacatacac aaatgtcgga cgtctctgat tgtcccgat 180
ttaatggagt tcaccacaaa gatgctgctg ctgctgctac ttggagtcca atgattaagg 240
tgggtgcccag ttcaatcgaa tgtacggatg cccagaagat gtggccagga acctggacac 300
cccatatttg aaatgtgcat ttaaagtagg ttaactgaat tagaggaaac cgttcaacac 360
aaaactgaaa tacttgagcg caccgggggtg actcgag 397

```

<210> 2078

<211> 410

<212> DNA

<213> *Xenopus* sp.

<400> 2078

```

gaattcggac tactacaggt gaccaccagg ccgctgctcc aaccacttgc aggagaagat 60
tcaaaggtcg tatgagaaga agttaaaga agggacagac atgaaccgca ttatccaaaa 120
aaagaaagaa ttctggaacc ccagcatcta cgagaagctc atccagtttt gctccattga 180
tgaacttggc actaattacc ctaaagacat gtttgaccca catggatggg ctgaagactc 240
ctactatgag tctcttgcta aagcccaaaa gattgagatg gataagctgg aaaaggccaa 300
aaaagaacga acgaagattg agtttggtac aggcactaag aagggcacia cgaccagtgc 360
aaccacaggc acaaccagta ccacaaccac atctacagca gatgctcgag 410

```

<210> 2079

<211> 517

<212> DNA

<213> *Xenopus* sp.

<400> 2079

```

gaattcggac tactacaggt ggaacccttc ctgttgctct tatataacct ccgtcttgtc 60
agtcgtgtgc aaacgctttt cctgtgccag tcctgttttt tcatatcttt taagacccca 120
gctgatctgt atgcatagca ccaggacctg gcagacatat tggaaactat tggcattatg 180
atcttttttt ttttttaaat ggggagggtcc gtctccttgg ttgttattgt cagcacccta 240
aatgccaaaca tttaacaggg cagagcagag ttttgtgtgt ttttgggggt cggtagcctg 300
gcgagtcctc tgctttttccc gcaaaggggc atcgggtggc acatattggc agtactccat 360
gccactgatg ttcaacctgt ggtccgcaag cctttgttga actttgtagt tcaaataacc 420
cagtcggggg agtcaaaccc tacacttcag ttgatgcacc cacttttatt aatgacacce 480
tgaggctaaa gtgttacggt aaagggaccg gctcgag 517

```

<210> 2080

<211> 371

<212> DNA

<213> *Xenopus* sp.

<400> 2080

```

gaattcggac tactacaggt gttagagggg ggcctaggcc tgtgctatca cccgaacctc 60
aagggtcctag tctgagtgat agccagaaac cttgtgatag cactgagtga cactacaggg 120
caacactaca gggcagctgg gaactgaaat accccattac tgccaacatt ccattccac 180
aagcaaaagaa atagccagaa agcagaaaag aaagttagga atttgatcag agtggtgagt 240
tctctataaa tggaaaggtaa aagaaaggca ttggattgga ttgggcagca gagagatatg 300
aaggaaaggt cagggttagtt agcagggggc ggtaaaggag tttgaattgt ttagcatggt 360
aagagctcga g 371

```

<210> 2081

<211> 687

<212> DNA

<213> *Xenopus* sp.

<400> 2081
 gaattcggac tactacaggt ggtgagaagc agtagatctc aggggagtct tgcaacaatg 60
 tggcatcttg tagttgcaact ctgcttctcg gcctccatcg ccaattcccg ccattctccc 120
 tactttgccc ccttgcgcga cgatatggtg aattatatca acaagggtcaa cactacatgg 180
 aaggctgggc acaactttgc taatgctgat gtacactatg tgaacggct ctgtggaaca 240
 caccttaatg gccccagct tcaaaagagg tttgggtttg ctgatgacct agaccttcca 300
 gacagctttg attcccgggc agcttggccc aactgtccca ccattccgga gatccgagat 360
 cagggatcat gcggctcttg ctgggcgttt ggtgcggttg aagccatctc tgatcgtgtt 420
 tgtgttcaca ccaatgggaa ggtgaacgtg gaggtgtctg ctgaagatct cctgtcctgc 480
 tgtggcttta aatgtggcat gggctgtaat ggagggtatc catctggagc ctggcgattc 540
 tggactgaga cgggtttggt ttccgggggc ttgtatgact cccatgttgg ctgcaggccg 600
 tactctatcc ctccctgcga gcaccatgtg aatggctcca ggccgtctcg caagggggaa 660
 gagggcgata ccccaaagtg cctcgag 687

<210> 2082
 <211> 602
 <212> DNA
 <213> *Xenopus* sp.

<400> 2082
 gaattcggac tactacaggt gctactgaga ggaggaagat gcagctcgtt acagctctga 60
 ggctcggggc agcgctaattg tgcctcgccc tgggtggcgca agtccagagt caaggatgca 120
 aatgtagaac gcactacatg ggtaaatgcg ataacagcgg tgcattctca gattgtcagt 180
 gtacctcac catagggccg gattcccaac ctgtgaactg ctcaaaatta attcctaatt 240
 gttggctgat gaagagagag agccttggga caaaggcagg tcgcagagtt aaaccagcac 300
 aagcacttat tgacaacgat ggactgtaca atccagagtg tgatactaatt ggggtgttta 360
 agggccggca gtgcaacaat actgacacct gctggtgtgt caataccgcc ggggtcagaa 420
 gaaccgacaa aggggacaaa aactggaagt gcccggagct ggtcagaact aactgggtgt 480
 atgttgaaat gaaacgcaat aacacagact cagtgaatga tgacgacttg aaaaaagcac 540
 ttaaaacaac aatagtgaat cgatatggat tacctgaaaa atgtgtttct gttgagctcg 600
 ag 602

<210> 2083
 <211> 425
 <212> DNA
 <213> *Xenopus* sp.

<400> 2083
 gaattcggac tactacaggt gggaaacagc gactctggtt gtagacgaga cggcgcggtat 60
 attgcaagat gatcatcccg gtcagatgct ttacatgttg gaagattgta ggcaataaat 120
 gggaggtcta ccttggcctt ttacaggctg aatatacaga aggtgatgct ctggatgctt 180
 tgggcctgaa aaggtactgc tgtcgtcgga tgcctctcgc tcacgtcgac ttgattgaga 240
 aactgttaaa ctacgcccc ttggagaaat gaggggtccg ttccatccgg tgcaatctag 300
 accaatcaaa tgtttacaag cacaggaagg agaaccctcg gcttccatta taccctacct 360
 gctgaacttc cagaggaaaa atctgtttct aacctgaaa ccattgttgaa cagggcattg 420
 tcgag 425

<210> 2084
 <211> 498
 <212> DNA
 <213> *Xenopus* sp.

<400> 2084
 gaattcggac tactacaggt gccgggagga gatattctta caggagatgg aggagcagaa 60
 agaaaatcgg ccgctcgata cagaggattc ggtgggttag gaggatttgt gcaaaaagct 120
 ttcaagaaac ttgatctcgt ttggtgtcaa gcagaggtgt cgatttgatg gtcaggagga 180
 caattggaact tctacagtat cctcaaatat tagtgatttc agtgatccag ttataaaga 240
 aattgccatt gctaattggt gtgtcaatag agtgacaaag gatgagctga aggcgaagct 300
 ttagagcac aaacttgaca cttagaggtgt taaagatgtg ctgagaaaga gactgaagaa 360
 ctactacaag aagcagaaat tgacacatgc attgcataag gactcaaaac cagactgcta 420

ttatgactac atctgtgtca ttgactttga agcaacctgt gaagcgggta actctctaga 480
ctacccccat ttctcgag 498

<210> 2085

<211> 306

<212> DNA

<213> *Xenopus* sp.

<400> 2085

gaattcggac tactacaggt gtttatgatg aaaaagtagt ccatcccttg acttaataat 60
tgtttggtcc acttccctgc tctgtctgc atgtggtgca caggcactgt atgtaactca 120
agctcatcta tcaatctgcc atttatgtcg cccctaataca cttttcttct ccttctttta 180
gcaataaaaa ctgaggggat ctcccctcag cctgctgcag agctagggtg ccaaagccct 240
gcaaaagtgc taactcttc cctgccttg ccaacctgg agcctgttcc ttctgccccg 300
ctcgag 306

<210> 2086

<211> 385

<212> DNA

<213> *Xenopus* sp.

<400> 2086

gaattcggac tactacaggt gtttcgcttt tctttactgc atggctgtcc ttgcatttta 60
tctaggttta atgcacttgt atcgggactc tccaaaattt ccattatgtg acttcttcat 120
tgctgttgcc ttgtctttaa tgtggctagt tagttcctca gcttgggcta aagggttgac 180
agatattaaa atttccacca gccctcacia tattgtgcaa aatcactgcc cactgaatta 240
caaatgtctg cctggacaag aatcgcccat gggaaagtctg aacatctctg tggcttttgg 300
atttttgaat ctgattctgt gggcaggtaa tgcttggttt gtatacaagg agaccagtct 360
acattcccca ccgcaacaac tcgag 385

<210> 2087

<211> 198

<212> DNA

<213> *Rattus* sp.

<400> 2087

gaattcggcc aaagaggcct agaactctgg actctgggaa aagcattgac catgaggttg 60
accctgttat tggctgcct acttgggtat atctactgtc aagaaacgtt tgtgggagat 120
caagttcttg agatcatccc aagtcattgaa gagcaaatta gaactctgct gcaattggag 180
gctgaagagc atctcgag 198

<210> 2088

<211> 176

<212> DNA

<213> *Rattus* sp.

<400> 2088

gaattcggcc aaagaggcct attataagag ttgctttggt catggtttct cttataagga 60
caatatttaa ttggggcttg cttatagatt ccgaggttct agcagaactt gccctcatca 120
gttcaaagcc tgaattgttt cctcatacac taggtactgc gtcaacatac ctcgag 176

<210> 2089

<211> 323

<212> DNA

<213> *Rattus* sp.

<400> 2089

gaattcggcc aaagaggcct agcaaaatga agtttgttct gctgcttccc ctcattgggt 60
tctgctgggc tcaatatgac ccacacactg cggatgggag gactgctatt gtccacctgt 120
tcgagtggcg ctgggctgat attgccaaag aatgtgagcg gtacttagca cctaagggat 180

ttggagggggt gcagggtctct ccaccaaatg aaaatattat aattaataat ccatcaaggc 240
 cttggtggga aagatatcaa ccaatcagct acaaaatttg ctcaaggtct ggaaatgaaa 300
 atgaattcaa aggatggctc gag 323

<210> 2090
 <211> 176
 <212> DNA
 <213> Rattus sp.

<400> 2090
 gaattcggcc aaagaggcct attataagag ttgctttggt catggtttct cttataagga 60
 caatatattaa ttggggctgg cttatagatt cagaggttct agcagaactt gccctcatca 120
 gttcaaagcc tgaattgttt cctcatacac taggtactgc gtcaacatac ctcgag 176

<210> 2091
 <211> 176
 <212> DNA
 <213> Rattus sp.

<400> 2091
 gaattcggcc aaagaggcct attataagag ttgctttggt catggtttct cttataagga 60
 caatatattaa ttggggctgg cttatagatt cagaggttct agcagaactt gccctcatca 120
 gttcaaagcc tgaattgttt cctcatacac taggtactgc gtcaacatac ctcgag 176

<210> 2092
 <211> 346
 <212> DNA
 <213> Rattus sp.

<400> 2092
 gaaattcggc caaagaggcc tacttggtag attatccaaa catcgtcaaa tttcatgct 60
 atttatttta tttctttttt tttttttttt ttgccaaaag atgagttgtg tttgtttgaa 120
 atctgagaca ctgtgttcca tttggtgttt ctgttcaaat gcaccccat tgcctggaa 180
 acccttcccc agatgtcaca ctacatgtca ggtccaggag gatgactgc aagtctaca 240
 ggtttcatta cgaaaacttc aaggttccca gtggaaacct ggaaaccgtc agctgatgct 300
 caccaaatgc tcgccttca cccctgcggg ggctggcag ctcgag 346

<210> 2093
 <211> 176
 <212> DNA
 <213> Rattus sp.

<400> 2093
 gaattcggcc aaagaggcct attataagag ttgctttggt catggtttct cttataagga 60
 caatatattaa ttggggctgg cttatagatt cagaggttct agcagaactt gccctcatca 120
 gttcaaagcc tgaattgttt cctcatacac taggtactgc gtcaacatac ctcgag 176

<210> 2094
 <211> 323
 <212> DNA
 <213> Rattus sp.

<400> 2094
 gaattcggcc aaagaggcct agcaaaatga agtttgttct gctgctttcc ctcatgggt 60
 tctgctgggc tcaatatgac ccacacactg cggatgggag gactgctatt gtccacctgt 120
 tcgagtggcg ctgggctgat attgccaaag aatgtgagcg gtacttagca cctaagggat 180
 ttggagggtg gcagggtctc ccaccaatg aaaatattat aattaataat ccatcaaggc 240
 cttggtggga aagatatcaa ccaatcagct acaaaatttg ctcaaggtct ggaaatgaaa 300
 atgaattcaa aggatggctc gag 323

<210> 2095

<211> 176
<212> DNA
<213> Rattus sp.

<400> 2095
gaattcggcc aaagaggcct attataagag ttgcttttgg catggtttct cttataagga 60
caatatttaa ttggggctgg cttatagatt cagaggttct agcagaactt gccctcatca 120
gttcaaagcc tgaattgttt cctcatcac taggtactgc gtcaacatac ctcgag 176

<210> 2096
<211> 176
<212> DNA
<213> Rattus sp.

<400> 2096
gaattcggcc aaagaggcct attataagag ttgcttttgg catggtttct cttataagga 60
caatatttaa ttggggctgg cttatagatt cagaggttct agcagaactt gccctcatca 120
gttcaaagcc tgaattgttt cctcatcac taggtactgc gtcaacatac ctcgag 176

<210> 2097
<211> 150
<212> DNA
<213> Rattus sp.

<400> 2097
gaattcggcc aaagaggcct acccccact agaaaaattg ttatgggtat tggcatttat 60
ttattcatca tatacttatt agggcagcta aaaaagtcta atgcctctgt catgtattac 120
cacagaagcc aagcccagca caaactcgag 150

<210> 2098
<211> 323
<212> DNA
<213> Rattus sp.

<400> 2098
gaattcggcc aaagaggcct agcaaaatga agtttgttct gctgctttcc ctcattgggt 60
tctgctgggc tcaatatgac ccacacactg cggatgggag gactgctatt gtccacctgt 120
tcgagtggcg ctgggctgat attgccaagg aatgtgagcg gtacttagca cctaagggat 180
ttggaggggg gcagggtctct ccaccaatg aaaaattat aattaataat ccatcaagcc 240
cttgggtggga aagatatcaa ccaatcagct acaaaatttg ctcaaggtct ggaaatgaaa 300
atgaattcaa aggatgggtc gag 323

<210> 2099
<211> 178
<212> DNA
<213> Rattus sp.

<400> 2099
gaattcggcc aaagaggcct aagcattgac catgagggtg accctgttat tggetgccct 60
acttgggtat atctactgtc aagaaacgtt tgtgggagat caagttcttg agatcatccc 120
aagtcatgaa gagcaaatta gaactctgct gcaattggag gctgaagagc atctcgag 178

<210> 2100
<211> 344
<212> DNA
<213> Rattus sp.

<400> 2100
gaattcggcc aaagaggcct acttggtaga ttatccaaac atcgtcaaatt ttcatgcta 60
tttattttat ttcttttttt tttttttttt gccaaaagat gaggttgtgt tgtttgaaat 120

```

ctgagacact gtgttccaat tgggtgtttct gttcaaaagc atcctcattg tccctggaaac 180
ccttccccag atgtcacact acatgtcagg tccaggagga tgactcgcaa gtcctacagg 240
tttcattacg aaaacttcaa ggttcccagt ggaaacctgg aaacctgcag ctgatgctca 300
ccaaatgctc gcccttcacc cctgcggggg cctggcagct cgag 344

```

<210> 2101
 <211> 176
 <212> DNA
 <213> Rattus sp.

```

<400> 2101
gaattcggcc aaagaggcct attataagag ttgcttttgt catggtttct cttataagga 60
caatatttaa ttggggctgg cttatagatt ccgaggttct agcagaactt gccctcatca 120
gttcaaaagg tgaattgttt cctcatcac taggtactgc gtcaacatac ctcgag 176

```

<210> 2102
 <211> 330
 <212> DNA
 <213> Rattus sp.

```

<400> 2102
gaattcggcc aaagaggcct aaaaatgaag tttgttctgc tgccttcctt cattgggttc 60
tgctgggctc aatatgaccc acacactgcy gatgggagga ctgctattgt ccacctgttc 120
gagtggcgct gggctgatat tgccaaggaa tgtgagcggc acttagcacc taagggtatt 180
ggaggggtgc aggtctctcc acccaatgaa aatattataa ttaataatcc atcaaggcct 240
tggtgggaaa gatatcaacc aatcagctac aaaatttgct caaggtcttg aaatgaaaat 300
gaattcaaag acatggtgac gagactcgag 330

```

<210> 2103
 <211> 523
 <212> DNA
 <213> Rattus sp.

```

<400> 2103
gaattcggcc aaagaggcct aaacaattct gcaaaaataa tcatacccag cctggcaatt 60
gtctgtcctt cgggtccattg ctccgccgcc gtccacagtc gcttgcaagg gaaggcactg 120
aattttaccgc ggccagaaca tccctcccag ccggcagttt acaatgctgc gaactaagga 180
tctcatctgg actttgtttt tccctgggaac tgcagtttcc ctgcaggtag atattgttcc 240
cagccaagga gaaatcagcg ttggagagtc caaattcttc ctgtgtcaag tggcaggaga 300
tgccaaagat aaggacatct cctggttctc ccccaacggg gagaaactga gcccaaacca 360
gcagcggatc tcagtgtgtt ggaacgatga tgactcctct accctcacca tctacaacgc 420
caacattgat gatgccggca tttacaagtg cgtggtcacc gctgaagacg gcacccagtc 480
cgaggccact gtcaatgtga agatcttcca gaagacactc gag 523

```

<210> 2104
 <211> 150
 <212> DNA
 <213> Rattus sp.

```

<400> 2104
gaattcggcc aaagaggcct accccccact agaaaaattg ttatgggtat tggcatttat 60
ctattcatca tatacttatt agggcagcta aaaaagtcta atgacctctg catgtattac 120
cacagaaggc aagcccagca caaactcgag 150

```

<210> 2105
 <211> 176
 <212> DNA
 <213> Rattus sp.

<400> 2105

gaattcggcc aaagaggcct attataagag ttgctttggt catggtttct cttataagga 60
 caatatttaa ttggggctgg cttatagatt ccgaggttct agcagaactt gccctcatca 120
 gttcaaagcc tgaattgttt cctcatacac taggtactgc gtcaacatac ctcgag 176

<210> 2106

<211> 345

<212> DNA

<213> Rattus sp.

<400> 2106

gaattcggcc aaagaggcct acttggtaga ttatccaaac atcgtcaaatt tttcatgcta 60
 tttattttat ttcttttttt tttttttttt tgccaaaaga tgagttgtgt ttgtttgaaa 120
 tctgagacac tgtgttccat ttggtgtttc tgttcaaattg catcctcatt gtccctgaaa 180
 cccctcccca gatgtcacac tacatgtcag gtccaggagg atgactcgca agtccctacag 240
 gtttcattac gaaaacttca aggttcccag tggaaacctg gaaacctga gctgatgctc 300
 accaaatgct cgcctctcac cctcgccggg gctgggcagc tcgag 345

<210> 2107

<211> 176

<212> DNA

<213> Rattus sp.

<400> 2107

gaattcggcc aaagaggcct attataagag ttgctttggt catggtttct cttataagga 60
 caatatttaa ttggggctgg cttatagatt ccgaggttct agcagaactt gccctcatca 120
 gttcaaagcc tgaattgttt cctcatacac taggtactgc gtcaacatac ctcgag 176

<210> 2108

<211> 176

<212> DNA

<213> Rattus sp.

<400> 2108

gaattcggcc aaagaggcct attataagag ttgctttggt catggtttct cttataagga 60
 caatatttaa ttggggctgg cttatagatt ccgaggttct agcagaactt gccctcatca 120
 gttcaaagcc tgaattgttt cctcatacac taggtactgc gtcaacatac ctcgag 176

<210> 2109

<211> 203

<212> DNA

<213> Rattus sp.

<400> 2109

gaattcggcc aaagaggcct agctctgaac tctggactct gggaaaagca ttgaccatga 60
 ggttgacctt gttattggct gccctacttg ggtatatcta ctgtcaagaa acgtttgtgg 120
 gagatcaagt tcttgagatc atcccaagtc atgaagagca aattagaact ctgctgcaat 180
 tggaggctga agagcatctc gag 203

<210> 2110

<211> 323

<212> DNA

<213> Rattus sp.

<400> 2110

gaattcggcc aaagaggcct agcaaaatga agtttgttct gctgctttcc ctcattgggt 60
 cctgctgggc tcaatatgac ccacacactg cggatgggag gactgctatt gtccacctgt 120
 ccgagtggcg ctgggctgat attgccaagg aatgtgagcg gtacttagca cctaagggat 180
 ttggaggggg gcaggctctc ccaccaatg aaaatattat aattaataat ccatcaaggc 240
 cttggtggga aagatatcaa ccaatcagct acaaaaattg ctcaaggctc ggaaatgaaa 300
 atgaattcaa aggatggctc gag 323

<210> 2111

<211> 308

<212> DNA

<213> Rattus sp.

<400> 2111

```

gaattcggcc aaagaggcct acctttcttt cctcccttcc tctcccatg tccctctctc 60
ctccctccca cctctcacc cctcccatcc ctctccctcc tttcttttg tactttccag 120
ctggagcagc agcagcagct gggcctgaat caatgattga cttcccccag acctccctt 180
ctcttttgcc aatgatata ctttgccctt ccagtcactt ttttaattta tctgtgatgg 240
ttttgcttct ccttccctcc cctcctctct tccctcttcc tccccctct cccccaccga 300
cagtcgag                                     308

```

<210> 2112

<211> 203

<212> DNA

<213> Rattus sp.

<400> 2112

```

gaattcggcc aaagaggcct agctctgaac tctggactct gggaaaagca ttgaccatga 60
ggttgaccct gttattggct gccctacttg ggtatatcta ctgtcaagaa acgtttgtgg 120
gagatcaagt tcttgagatc atcccaagtc atgaagagca aattagaact ctgctgcaat 180
tggaggctga agagcatctc gag                                     203

```

<210> 2113

<211> 402

<212> DNA

<213> Rattus sp.

<400> 2113

```

gaattcgtcc aaagaggcct acaactgaaa cttcaaagca aaatgaagtt cgttctgctg 60
ctttccctca ttgggttctg ctgggctcaa tatgaccac acaactgcga tgggaggact 120
gctattgtcc acctgttcca gtggcgctgg gctgatattg ccaaggaatg tgagcggtag 180
ttagaccta agggatttgc aggggtgcag gtctctccac ccaatgaaaa tattataatt 240
aataatccat caaggccttg gtgggaaaga tatcaaccaa tcagctacaa aatttgctca 300
aggtctggaa atgaaaatga attcaaagac atggtgacga ggtgcaacaa tgttggtgtc 360
cggatttatg tggatgctgt cattaatcac atgacactcg ag                                     402

```

<210> 2114

<211> 545

<212> DNA

<213> Rattus sp.

<400> 2114

```

gaattcggcc aaagaggcct aggggtcggc agaaggcttc aggtcccttg aacttggggt 60
tactgggtgac gggcactgcc atgtggatgc cgggggctgg acctggacta tcgggaagag 120
caggcactgc tggctgctga gtcattggct tcacctgctg tgcctttgag acaggaccct 180
gcttcgcaat agggcagggt ggtcttgacc gtattacgta gtccagggtta accttgaact 240
caaaactcctc ttatgtctcg ggtcccaaaa ggtgggaatt ttccgtgtgg gacgccatgc 300
cgggtactct gtgctctagg attttattct gttttattcc attgcattgc tgggccttga 360
ggatgctctg atctgtgata gcataattga cctcctgctg ttgtctaagg atacagtgcc 420
cattcacggg cctgcagtc ttccaagact ctcttcaaag gacaattgtg ggcttccaaa 480
acaatcttag tgcccgtgc ttctccatta ccatagccaa cagtttctca cccacaaaac 540
tcgag                                     545

```

<210> 2115

<211> 427

<212> DNA

<213> Rattus sp.

<400> 2115
 gaattcggcc aaagaggcct agagcttttc ggtgtatgta ccttggaggt caagattatg 60
 caggattttcc tggttgtggt ttactccgac tgcatagcac ctacagacac gacctcaaaa 120
 tatatgcctc tgatgaaggg cgggtccaga tgacggcagc tgccttcgca aagggtctct 180
 tggctctaga aggagagctt acccccatte tgggtcagat ggtgaaaagt gcaaatatga 240
 acggcctttt ggacagcgac agtgactctt tgagttagctg tcagcagcgt gtgaaagcga 300
 ggcttcatga gatacttcag aaagacagag attttacagc cgaagactac gagaagctta 360
 ctccatctgg aagcatttct gttatcaaat caatgcatct aattaaaaac ccagtgaaaa 420
 cctcgag 427

<210> 2116
 <211> 178
 <212> DNA
 <213> Rattus sp.

<400> 2116
 gaattcggcc aaagaggcct aagcattgac catgagggtt accctgttat tggctgccct 60
 acttgggtat atctactgtc aagaaacgtt tgtgggagat caagttcttg agatcatccc 120
 aagtcatgaa gagcaaatga gaactctgct gcaattggag gctgaagagc atctcgag 178

<210> 2117
 <211> 314
 <212> DNA
 <213> Rattus sp.

<400> 2117
 gaattcggcc aaagaggcct actccacact catcttttaa ttttgaaagc ctccagaacac 60
 ctggaccact tctttgaaa actgttctac cagcaacaag tcattccactg cgatcctgtt 120
 gagcatagcc acatctgagt tttccaagtc taaacaggac tgcctctgat tttcccatga 180
 agctgcatta ttgtctgtcc atcttactgg tggtcacttt tgtgccaaact gctctggttt 240
 tgggaagatgt gactccactg ggaacgaatc agagttcata caatgcatca tttctttcga 300
 gctttacact cgag 314

<210> 2118
 <211> 323
 <212> DNA
 <213> Rattus sp.

<400> 2118
 gaattcggcc aaagaggcct agcaaaatga agtttgttct gctgctttcc ctccattgggt 60
 tctgctgggc tcaatatgac ccacacactg cggatgggag gactgctatt gtccacctgt 120
 tcgagtggcg ctgggctgat attgccaaag aatgtgagcg gtacttagca cctaagggat 180
 ttggaggggt gcaggctctc ccacccaatg aaaatattat aattaataat ccatcaaggc 240
 cttgggtggga aagatatcaa ccaatcagct acaaaatttg ctcaagggtc ggaaatgaaa 300
 atgaattcaa aggatggctc gag 323

<210> 2119
 <211> 579
 <212> DNA
 <213> Rattus sp.

<400> 2119
 gaattcggcc aaagaggcct agagcaatgg tcaacacctt tctctgcctt ggggctgggc 60
 aaaccaacag tccaggcaaa aggcagggca ctttctggag gaggtgtcag caccaaggca 120
 gatggctgac tccaaagctc tccgtgctct cctgcattgg gctaaatga tggcatgagc 180
 cggctcctct ggcttatctg ggttccaatc cttggtagga ttagtctgca ggggctgcat 240
 tgtaggcaga gctcaccaaa ccaagacctt cacttctctc gcccttgga gcacagctac 300
 aaaatcactg gacttcaaac cagaaaaccc agccttgaca cagtacagat gacaaccatc 360
 tggctcactt gaatgtaag cgaccccaac cacacttgca tttgtaggca gggacgctca 420
 cattgctcaa ggtctccttg gcggaaatga agcaaacacc agctcaaacc aagcagagt 480

actccaagcc tgtccatagc caccactat gcttaagtaa gatgtcctcc ctcaaagctg 540
ctgcagtaaa gccatgagca gattcctgtt ctgctcgag 579

<210> 2120

<211> 310

<212> DNA

<213> Rattus sp.

<400> 2120

gaattcggcc aaagaggcct aagcttgggc gcagaacaca ctcaaagtcc ccaaaggagc 60
tccacctgtc tatacctcct ctccagctcag tcccacaagg cagaataaaa aaatgaagac 120
cgtttacatc gtggctggat tgtttgtaat gctgggtacaa ggcagctggc agcatgcccc 180
tcaagacacg gaggagaacg ccagatcatt cccagcttcc cagacagaac cacttgaaga 240
ccctaatacag ataaacgaag acaaacgcc aacacagggc acattcacca gtgactacag 300
cgcaactcgag 310

<210> 2121

<211> 354

<212> DNA

<213> Rattus sp.

<400> 2121

gaattcggcc aaagaggcct agtggggtag gaactgaagg aaatatagga ccatgcaggg 60
attttatctc aatgagagaa gttctgatta tattaggaat ccaccaaaga ccatcattgt 120
gactggatcc acacagctaa gtctttgtct agtgaacatg gtcaagaaga ggctggaaaa 180
acccaagca cacagttacc tttccatggg aggctaagct atcaaaagcg gtgttcagtt 240
atacaacaag caagccaagc caccaaatta caaacagtgg tgttacatat ttctcgtgca 300
atgtgggttt cctgctaaat tttgttgttt ttacacttga tttatatcct cgag 354

<210> 2122

<211> 435

<212> DNA

<213> Rattus sp.

<400> 2122

gaattcggcc aaagaggcct ataaaattat taagtatata tccaaatttc aaactcctct 60
ttcccaaaac aacgctggcg agcctagcaa gttagcaaaa atctttgtta agaatataga 120
atagcgctca ccatagggtc tgtgttccaa agccacacct cagttccccc actatcagaa 180
taccatacta gtggttctta actagtaaag gctaaagaga acctttactt tcccactatc 240
ctcagcaacc taggtctttt actgtattca ccaatgccca ttgtacatca gtttttcttc 300
catccttctt gcctaaactg cttcctttct tacttctttt tgtttcaaat ctctttctgt 360
ttatttcttt tgtgtctgtg gacattcact gggacgtggc atggcagatg tatggacaca 420
acggggcagc tcgag 435

<210> 2123

<211> 339

<212> DNA

<213> Rattus sp.

<400> 2123

gaattcgcca aagaggccta ccaaagggt ctgctacatc ttaggaaggt agagaccctt 60
ggtggccgcc cctttagaag agcagctgcg cagggctggg acattttaat gaaggctctg 120
tattaaagag ttggctcttt ctttccttat ctttctctct atttgaaaat gtctctctct 180
aatctcccct aatcccaccc cctccttgtg gggcagggga ccaggcagcc tggagaggcc 240
aagagaggag ctgcaggatt ggggtgggca ctggcaggag actcccacgt agccctgtgc 300
atgggggtgt tgcataattg caggtaagag ccactcgag 339

<210> 2124

<211> 323

<212> DNA

<213> Rattus sp.

<220>

<221> unsure

<222> (114)

<220>

<221> unsure

<222> (120)

<220>

<221> unsure

<222> (191)

<400> 2124

```
gaattcggcc aaagaggcct agcaaaatga agtttgttct gctgctttcc ctcattgggt 60
tctgctgggc tcaatatgac ccacacactg cggatgggag gactgctatt gtcnacctgn 120
tcgagtggcg ctgggctgat attgccaaag aatgtgagcg gtacttagca cctaagggat 180
ttggaggggt ncaggtctct ccaccaatg aaaatattat aattaataat ccatcaaggc 240
cttgggtggga aagatatcaa ccaatcagct acaaaatttg ctcaagggtc ggaaatgaaa 300
atgaattcaa aggatggctc gag 323
```

<210> 2125

<211> 320

<212> DNA

<213> Rattus sp.

<400> 2125

```
gaattcggcc aaagaggcct atgactatag ggaaagtcac atgggcatat acaagtgtca 60
aactcggaaa ctgcacgcca tgaacatgta taatttacca tatgtcaaag aagccatttt 120
tgggtttttg ggggtgggtt tgtgtgtttg tttgtttgtc ttttaaagtc tgttgcccag 180
caagtgggct cagtgggtaa aggtgtttgc tccaaagctt aaagcctggg ctcaatcgcg 240
agaactcatg tggtagaacg ggagagccca ccattacaaa ctgtgctttg acttccatat 300
gtctgcccac aacactcgag 320
```

<210> 2126

<211> 316

<212> DNA

<213> Rattus sp.

<400> 2126

```
gaattcggcc aaagaggcct acagccaagg actaactacg accatgagat tggcagtgat 60
ttgctttttg ctatttgga ttgcctcctc cctcccgggt aaagtgactg attctggcag 120
ctcagaggag aagaagcttt acagcctgca ccagatcct atagccacat ggctgggtgcc 180
tgacccatct cagaagcaga atctccttgc gccacagaat gctgtgtcct ctgaagaaaa 240
ggatgacttt aagcaagaaa ctcttccaag caattccaat gaaagccatg accacatgga 300
cgacagtgat gtcgag 316
```

<210> 2127

<211> 138

<212> DNA

<213> Rattus sp.

<400> 2127

```
gaattcggcc aaagaggcct acgagtgggt atgggtgatga tgatgggtgt ggtgattatg 60
atgataatga tgggtgatgac cacagtgatt gatctgagag gtgctgactg gtgcgaggca 120
ggtctagaat tcaatcgg 138
```

<210> 2128

<211> 395

<212> DNA

<213> Rattus sp.

<400> 2128

```

gaattcggcc aaagaggcct actgtcgggc aagtgcatt ctagactgag catggttttc 60
tggaacagat gatcttggat gacaggaat cagaggacct ggaccgtcca tcattgagcc 120
accagtttgc tggagcacag acatgggtgt tctagcaact ccaaggggtt ctacatttcc 180
aggtgatcta catcgggtcaa gaggagttgg tgacatgcta ggacgactaa aacagctcat 240
tctagagcta ctaagtgcta caggaggtgt ccgagatcca gaatgattcc ttgttgctgg 300
aggagtggca gaacgtgagc gatcagaact acttccagat gcagaccgcc tacggatggc 360
tggaggagat cttgttaaag atcgttggcc tcgag 395

```

<210> 2129

<211> 323

<212> DNA

<213> Rattus sp.

<400> 2129

```

gaattcggcc aaagaggcct agcaaatga agtttgttct gctgctttcc ctcatgggt 60
tctgctgggc tcaatatgac ccacacactg cggatgggag gactgctatt gtccacctgt 120
tcgagtggcg ctgggctgat attgccaagg aatgtgagcg gtacttagca cctaagggat 180
ttggaggggt gcaggctctc ccacccaatg aaaatattat aattaataat ccataaggc 240
cttggtggga aagatatcaa ccaatcagct acaaaatttg ctcaaggctt ggaaatgaaa 300
atgaattcaa aggatggctc gag 323

```

<210> 2130

<211> 386

<212> DNA

<213> Rattus sp.

<400> 2130

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gaattcggcc aaagaggcct aagaaacgcc tgggccttcg gaaaggagtg attgattagt 60
acttgcagat ttaggtgact ttaaggagaa ctaactaatg tatactattg agggaggagg 120
aagagcatta cagagtttcc agcagcagca ggaaagcttt ggttagtttg gaaatggatg 180
atagcattaa aataacagaa gcgcctccag gtctctgaag ctccagtccc ccagctgaaa 240
gccagaaaag actaagccca ctaagccttt tgatcccttt ggaagcaaag aactttcctt 300
ccctgggggt aagactctcc tcagaagatt tcctgtctct gcctatgtta caagaggaat 360
caaaaccaag acagaagagc ctcgag 386

```

<210> 2131

<211> 202

<212> DNA

<213> Rattus sp.

<400> 2131

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gaattcggcc aaagaggcct acaaaactaa aaattcttta gccacttctt taccgcaagg 60
aaccctcatc tcaactaatc ccataactaa catcatcgaa actatcagcc tattttattc 120
accgatagca ctacagctac gactaacagc aaacattaca gcaggccatc tattaatgca 180
tctaactcga ggagctctcg ag 202

```

<210> 2132

<211> 386

<212> DNA

<213> Rattus sp.

<400> 2132

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gaattcggcc aaagaggcct aggagaggtg ttcttgacat ccagtgttgc agagtgggggt 60
ggaggggtcaa acccagtcac ctccaggtct ttgctgagca gaaggacaca aggagaggcc 120
agtggggcct gactccaggg aaattgatc cattaaagcat gtttggtaat tggatcgta 180
ttagttttat caaagggtgaa taaagttaat tctgtgatcc tgagaatgtt aaataatgat 240

```

tataataaaaa ttttaatega attagaatto ttgccagaga gggaaaggga agtgaggaaa 300
gccacgggtgc cgtctccga gtgtcatcga ggtcagggggt ggggctcagt cctactcagg 360
agctccttgt tggcaggga ctcgag 386

<210> 2133
<211> 403
<212> DNA
<213> Rattus sp.

<400> 2133
gaattcggcc aaagaggcct agcgcgcggt cccaccttcg tcgcgcacac tggctaggcg 60
agctcgcagc gctctacgac tctgcggctc ggaactcggg ccgcagggct gaacaccccc 120
actgtggtat ttaaaaaaag aaagaaagaa agaaagaaga ctttcccttg cttttctctc 180
ttttctcttc tttctcgcac ggttttctac cgtagtggct agcggagccg gcagccttcc 240
caaggcagcc ctgggttggt tggcctcctc catctggctt ataaaagttt gctgagtgcg 300
gtccagaggg ctgcgcggt cgtccctctg gctggcggaa gggggtgacg ctgggcagcg 360
gctaaggagc gcgccgcagg ctctggcggg ctttcggctc gag 403

<210> 2134
<211> 343
<212> DNA
<213> Rattus sp.

<400> 2134
gaattcggcc aaagaggcct aaagaaacga atttctctac cagatcggaa gggaagaaaa 60
tccttcaagt agaaggggag ggggtgtgtt gtgttttgta tttttttata taaggctctc 120
ttgtataacc ttgggttgcc tggaccacac gagatctgcc ggctctgcc ttacagtgcg 180
gagataaaaa gcacacacca ccattgcacca ctattttggg tgggtgggt tactttgtt 240
ttgttttgtt ttgttttgtt ttgagacggg ttctctgtgt agccctggct gtccctggaac 300
ctactctgta gaccaggctg gtcttgaact cagatccctc gag 343

<210> 2135
<211> 150
<212> DNA
<213> Rattus sp.

<400> 2135
gaattcggcc aaagaggcct accccccact agaaaaattg ttatgggtat tggcatttat 60
ttatttcata tatacttatt agggcagcta aaaaagtcta atgcctctgt catgtattac 120
cacagaaggc aagcccagca caaactcgag 150

<210> 2136
<211> 344
<212> DNA
<213> Rattus sp.

<400> 2136
gaattcggcc aaagaggcct acttggtaga ttatccaaac atcgtcaaatt tttcatgcta 60
ttttttttat tttttttttt tttttttttt gccaaaagat gagggtgtgt tgtttgaaat 120
ctgagacact gtgttccatt tgggtgttct gtccaaatgc atcctcattg tectggaaac 180
ccttccccag atgtcacact acatgtcagg tcaggagga tgactcgcaa gtcctacagg 240
tttcattacg aaaacttcaa ggttcccagt ggaaacctgg aaaccgtcag ctgatgctca 300
ccaaatgctc gcccttcacc cctgcggggg cctggcagct cgag 344

<210> 2137
<211> 525
<212> DNA
<213> Rattus sp.

<400> 2137

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gaattcggcc aaagaggcct agcctctttg gccggccaaa gaggcctagg tcgtggggta 60
agaacagtct gatccttggg cagtgttgaa ggctggggcg ttttcagct ctataactgt 120
tttgccctct ctggaaagct cagtcacttc acaggtgtag tttcccacca cagcctcatg 180
ggatccatt gtcaaagagg caatgccttt gagcaagtct gagaccgaga tttttgact 240
ggtaaagttt tgttctctag tagtgcattt tttatttcca tcatagatga aaatatacga 300
tttgttcaac ttccacttca caaacatttc atcgggtgctt tgggcttcca cattaaggac 360
tttgcaaggg atgaccacag tgtcattgca tgacgtgaac tctacagatt tgactttact 420
aagcaggagt tgagctgaac cgcagcagca ggagcccagc aacagcgcg ccgccaagg 480
ccacatctcc gcgcgcgcgg gggctgcgcg cgcagggtgc tcgag 525

```

<210> 2138

<211> 198

<212> DNA

<213> Rattus sp.

<400> 2138

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gaattcggcc aaagaggcct agaactctgg actctgggaa aagcattgac catgaggttg 60
acctgttat tggctgccct acttgggtat atctactgtc aagaaacgtt tgtgggagat 120
caagttcttg agatcatccc aagtcatgaa gagcaaatta gaactctgct gcaattggag 180
gctgaagagc atctcgag 198

```

<210> 2139

<211> 311

<212> DNA

<213> Rattus sp.

<400> 2139

```

gaattcggcc aaagaggcct actgccgaat actgattaca tattccttga aatcaaactc 60
ttcagtatag aagcgaagta gtccaaacca aagctctcct agtgattccg tgttctttcc 120
aagtgaaggt aaacgttttt tcagttcttc tgttttatca aagaaaaagg cattccatcc 180
atccaccatt ctctgtggaa tctgctttcc atcaaaagatc tcttgacaga ctgggataac 240
tggttgcttt cggttgcgca gaaagtacag caccataagg atataagcat atgaagataa 300
acttctcga g 311

```

<210> 2140

<211> 408

<212> DNA

<213> Rattus sp.

<400> 2140

```

gaattcggcc aaagaggcct accatcatgg cgtaccgcgg ccaggggccag aaggtgcaga 60
agggtgatgt gcagcccac aaccttatct tcagatactt gcaaaataga tctcgaattc 120
agggtgtggc gtatgaacaa gtgaatatgc gगतगगगग tttgtattatt ggctttgatg 180
agtacatgaa cctcgtatta gatgatgcag aagaaattca ttctaaaaca aagtcagaa 240
aacaactggg tcggatcatg ctcaaaggag ataattattac tctgctccaa agcgtttcca 300
actagcagtg gccaaagcat ggagagggtg agaaggggct caggggctgc tggtgactac 360
atttactcat cctgtttcac ttgtacatcc tcattggggg aactcgag 408

```

<210> 2141

<211> 429

<212> DNA

<213> Rattus sp.

<400> 2141

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gaattcggcc aaagaggcct agaaaagttc tccaattagt ataatgaatg agtattttcc 60
gtactgagta atatttcate ccccggttag cacaggctaa ggtgaaaactg tttcatatgt 120
ttgatagaat agtctaactt tgatttttaa acgaccaaca ctttggccga attgagtggg 180
gggaaaagtc ccgagttctt gttgcttctt ggttttcatt tctctgtggt taactttact 240
gttaagtttc tcttttagcc atgattggca aattgtattt tctttaaaaa tcatgctttg 300
tgcacatttt caaggagggt agtgtcactt aatggaggct tacgtgtttt tatgaattgg 360

```

ttacacagga cagaagccca acactaaca agacagggat aaaattgtct cctgggtgtgc 420
cgtctcgag 429

<210> 2142

<211> 524

<212> DNA

<213> Rattus sp.

<400> 2142

gaattcggcc aaagaggcct acagctgttc agaaaagaag aacatggaaa aactgtcaac 60
agtcctctctt aatgagcaca cttgaaattt gaatgtcaga atgaacaata ataataacta 120
ttttaaccac tgtctccata ctcataaaaag ataaaagaaa tggaaatttc atggtaagt 180
gagtatttgc ctggtctcaa agtgcttcct cacagaatat ttactgatga cacaggggaa 240
aagagttagct tcatggtagt agatgctaga ggacgtcact tgcacagatg atcagagtaa 300
acactggtaa tggatggatc aggcctacac catctggtag agcagagctc agcatggctt 360
acatgctggc cctgccaaaag gtgcgtgacc tggactgagc tgtgaggaaag caccctctac 420
agagcagctg agctggaaac tctcacggtc atcaacatcc aggaagact tagggacttt 480
tgaaactgat gggctctttt aaaaccccca tggcagcact cgag 524

<210> 2143

<211> 553

<212> DNA

<213> Rattus sp.

<400> 2143

gaattcggcc aaagaggcct acgctacttc cttgacccag aaaacccccc gaaatcatgc 60
aagtcaagag gctcaaacct tcgtgttcac tttaagaaca cccgggaaac tgcccaggcc 120
atcaagggtg tgcataatcc caaagccacc aagtatctga aggatgtcac tttaagaag 180
cagtgtgtgc cattccggcg gtataatggt ggagttggtg ggtgcgcccc ggccaacacg 240
tggggctgga cacagggagc gtggccaaaa aagagtgtgt aatttttgcg gcacatgctt 300
aaaaatgcag agagtaatgc tgaacttaag ggtttggatg tagactctct ggtcattgaa 360
cacatccagg tgaacaaggc tcctaagatg cgcagacgga cctacagagc tcacggcccg 420
attaacccat acatgagctc cccctgccac atcgagatga tctcactga gaaggaacag 480
attgttccaa agccagaaga ggaggttgca cagaagaaaa agatatccca gaagaaattg 540
aagaaagctc gag 553

<210> 2144

<211> 454

<212> DNA

<213> Rattus sp.

<400> 2144

gaattcggcc aaagaggcct agaggaagca gacacagtat cagtgtgtgt gaggggggag 60
accttgccca tctcttgaca gtcagtttac cctccaagct cttgagttca aatcagagt 120
ccacactggg gtaccaccca ggaatgcttt agtgctgtg ggcaaggggc aagggttgcg 180
gaagggtttg aacatttgag aatggttaat aaaattgagc cgattgatgg tgggagagac 240
ggcgtaatgg ttaagaaaga gtatgtacag ctgccaaagga ccccagtttt gttttcagca 300
acctaaagttg tttgtacctt agaactgtct gtaacttggg cagctcataa atgcctgtaa 360
ctccagctc tgcactctaa atgtactcta agttacatgc agatcacac atgtagttaa 420
aaataataaa aatctgaaaa caaaggagct cgag 454

<210> 2145

<211> 314

<212> DNA

<213> Rattus sp.

<400> 2145

gaattcggcc aaagaggcct actccacact catcttttaa ttttgaaagc ctccagaacac 60
ctggaccact tctttggaaa actgtcttac cagcaacaag tcatccactg cgatcctgtt 120
gagcatagcc acatctgagt tttccaagtc taaacaggac tgcctctgat tttcccatga 180

agctgcatta ttgtctgtcc atcttactgg tggtcacttt tgtgccaaact gctctgggtt 240
 tggagatgt gactccactg ggaacgaatc agagttcata caatgcatca tttctttcga 300
 gctttacact cgag 314

<210> 2146

<211> 473

<212> DNA

<213> Rattus sp.

<400> 2146

gaattcggcc aaagaggcct aaggacgagg atataaatgc tatagaaatg gaagaagaca 60
 aaagagattt gatatcccgga gagatcagca agttcagaga cacacacaag aaactggaag 120
 aagagaaagg caaaaaagaa aaagaaagac aggaaattga gaaagaacgg gagagagaaac 180
 gggagagaga gagagaacgg gagagagaac gggagcgtga aagagagaaa gacaagaaaa 240
 gagacagaga agaggatgaa gaagatgcat atgaacgaag aaaacttgaa agaaaactgc 300
 gagagaaaga ggctgcgtat caagagcgcc ttaagaattg ggaaatcaga gaacgaaaga 360
 aaactaggga atatgagaag gaggcggaaa gagaagaaga aagaagaaga gaaatggcta 420
 aagaggctaa acgattaaaa gaattcctag aagattatga cgatgacctc gag 473

<210> 2147

<211> 104

<212> DNA

<213> Rattus sp.

<220>

<221> unsure

<222> (42)

<400> 2147

gaattcggcc aaagaggcct aggtgggtgg tagtgctagg tnggctaagc ttgctaatag 60
 tcatcatgtt gctatcaatg gaaagattat ttgtaatcct cgag 104

<210> 2148

<211> 334

<212> DNA

<213> Rattus sp.

<400> 2148

gaattcggcc aaagaggcct aaagagggtgc tgaagaagaa ctgccacac attgttgttg 60
 ggactcctgg ccgaattcta gccctggccc gaaataagag cctgaacctc aaacacatta 120
 aacactttat cttggacgaa tgtgacaaga tgcttgaaca gctcgacatg cgtcgggatg 180
 tccaggaaat ttttcgcatg accccccatg agaagcaggt catgatgttc agtgctacct 240
 tgagcaaaaga gatccgccc gtgtgccgca agttcatgca agatgtaaat acctctacc 300
 ttctctcctt ccactccccg cccgcatgct cgag 334

<210> 2149

<211> 489

<212> DNA

<213> Rattus sp.

<220>

<221> unsure

<222> (106)

<220>

<221> unsure

<222> (130)

<220>

<221> unsure

<222> (164)

<220>

<221> unsure

<222> (241)

<220>

<221> unsure

<222> (273)

<220>

<221> unsure

<222> (364)

<400> 2149

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gaattcggcc aaagaggcct acagtcgccg gttataccat ttataaacat gcagatgtag 60
actatttaaag attaatgcgt ttcaggattg gtgtggcatt cegttngtct catgccgaa 120
tcaattctgn ttttcattag tcaatgacaa ccccatcat ccantgtgga agagaaalca 180
aagggtgcag tgtgtgaatg agagtaactg atgaaactga ttagtaccag acttaacggc 240
nataatcaat caacacatca cagtagtcag ctncagctta gcaggtgaca gggaagtaga 300
aggaacactc cttctgtatc agtgactcgc ttcgttttag acactcatac ggaaaagtgt 360
caanacactt catttctatg cactactcat ttagccacca ttcccaaaa tggagcaaaa 420
cggattctga caccctcttc ttctgggctt caattagctc acaaaagctc tatacctca 480
agtctcgag                                     489

```

<210> 2150

<211> 563

<212> DNA

<213> Rattus sp.

<400> 2150

```

gaattcggcc aaagaggcct acttctgagg attctgtggc tcctcccttg ggagagggag 60
agaacatctt ggagagctta ctccaagagc taaggcagag agaggttaga gcccctatct 120
tgaggaggca tcacatcagg cagcaacaac tttgtggaaa gctggatgaa ctggtcagta 180
gcaggaaatg gaggggagca ctgggttagc ctcttagaaa ggtcaaccgc tttgaggtga 240
actcatggaa tacttggtat tccaagcag agtggggtgg ggcccaaac cctctccct 300
gtgtacctcc ttaaggaata aaaggcatte agggagttec caggcaaggg gtgccagaat 360
tagtccttaa ggcacagctg ggggcagaca aggcgccaag gcacaattgg tagggggaca 420
agggatagcc tccaagctga gtgccagggt cacaagagga tgcaggaccg cccacgcttt 480
atcgtgtgtg ggttgagcac cgcgcggaca gcctcggcaa acacctctct gacacgctct 540
tgctgcagcg ctgagcactc gag                                     563

```

<210> 2151

<211> 523

<212> DNA

<213> Rattus sp.

<400> 2151

```

gaattcggcc aaagaggcct aaacaattct gaaaaataa tcataccag cctggcaatt 60
gtctgtctct cgtgccattg ctccgccgc gtccacagtc gcttgcaagg gaaggcaactg 120
aattttaccgc ggccagaaca tccctcccag ccggcagttt acaatgctgc gaactaagga 180
tctcatctgg actttgtttt tcttgggaac tgcagtttcc ctgcaggtag atattgttcc 240
cagccaagga gaaatcagcg ttggagagtc caaattcttc ctgtgtcaag tggcaggaga 300
tgccaaagat aaggacatct cctggttctc ccccaacggg gagaaactga gcccaaacca 360
gcagcggatc tcagtgtgtg ggaacgatga tgaactctct accctcacca tctacaacgc 420
caacattgat gatgccggca ttacaagtgc cgtggtcacc gctgaagacg gcacccagtc 480
cgaggccact gtcaatgtga agatcttcca gaagacactc gag                                     523

```

<210> 2152

<211> 295

<212> DNA

<213> Rattus sp.

<400> 2152

```

gaattcggcc aaagaggcct atgcgtggga agtcttcaca ggatgacaaa ttgggggacc 60
caagagggga tcccaccgaa gacagtaggg aagagacaaa acaagatgga gggccacact 120
aggcatggga ggccaggagg gtgcctgcat cagggtgacc tatgatgggg agaactgcaa 180
atctggggac acagaggatg gtcagcaa at gccctgaaa acacccatcc cagcaggcat 240
attaacactg ggtggatgtc cagtcaaatg ggcaggtaat ttagggtgcc tcgag 295

```

<210> 2153

<211> 460

<212> DNA

<213> Rattus sp.

<400> 2153

```

gaattcggcc aaagaggcct aggccttggg tcaaaatata ggtagccaa cccagggatc 60
tcctcagcct gtaggacagc aggccataa tagccacca gtgactcaga catcagtagg 120
gcaacagaca cagccattgc ctccacctcc accacagcct gctcagctct cagtcacga 180
gcaggcagct cagccaactc gctgggtagc acctcggaac cgtggcagtg ggttcgggca 240
taatggggtg gatggtaatg gaggtagaca gtctcaggcg ggttctggat ctactccttc 300
agagcctcac ccagtgttgg agaaacttcg gtccattaat aactataacc cttaaagattt 360
cgactggaat ctgaaacacg gccgggtttt catcattaag agctactctg aggacgatat 420
ccaccgttcc attaatgata atatctggta caatctcgag 460

```

<210> 2154

<211> 365

<212> DNA

<213> Rattus sp.

<400> 2154

```

gaattcggcc aaagaggcct acaaattcaa agagggtgaag cgggcaggac tcaatgagat 60
ggtggagtat atcaccacaa gccgtgacgt tgtcaccgag gccatctacc ccgaggctgt 120
caccatgttt tcagtgaatc tcttcaggac gctgectcct tcacgaatc ccacaggagc 180
cgagtttgac cctgagggaag atgagcctac cttggaagcg gcctggccac atctccagct 240
tgtgtatgag tttttcttac gtttcttggg atctccagat ttccagccga atatagccaa 300
gaagtacatt gaccagaagt ttgtacttgc tctcctggac cttttcgata gcgaagacct 360
tcgag 365

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<210> 2155

<211> 283

<212> DNA

<213> Rattus sp.

<400> 2155

```

gaattcggcc aaagaggcct agtgcttgca actcggcgat ctggctctgc agatcagttg 60
tttcaccgtc cagtttccgt ttggcctttt ccagttcctg ccgtgttttc tctccttct 120
tcaagcgttc ttctaaatcc gagatcatca cttcttgctt attcctgatt ttggctaagt 180
tttttgcttt ttcttctctt tcagccagct gagaggaaca ctacagcaatt cgatcttcca 240
tgagtttctt ttctttgata aatttggaat tctggctctc gag 283

```

<210> 2156

<211> 359

<212> DNA

<213> Rattus sp.

<400> 2156

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gaattcggcc aaagaggcct aattctagac ctgcctcgag ctctcagcc gccgcgcct 60
ctgcctcttc caggcattcg gccatcatca cctgtcagg tcgcagctct tgcgcatact 120
ccctctgggc tccacccaac tccatctctt gcccctggtc cccatgctcc attaatgcct 180

```

ccgtccccac cttcacaagt cctgcctgcc tctgagccaa agcgccatcc ttccacccta 240
cccgtgatca gtgacgcgag gagtgtgctg ctggaggcca tacggaaagg cattcagctt 300
cgcaaaagtg aagagcagcg tgaacaggaa gcaaagcatg agcggatcga aaactcgag 359

<210> 2157

<211> 357

<212> DNA

<213> Rattus sp.

<400> 2157

gaattcggcc aaagaggcga ttgaattctg tcccccttc agagcattgg cctcagccag 60
agtctatgta tacatatgca tagttaggaa atgacaaaaa ttccagaaat ttctcatatc 120
taagacctca tgggggcctt ttgagaaaag tataaagtac taacatcttt ttattttttt 180
atttttttaa gcattgtcta ctttgggtcat taagtattgt ctactttggg cattaaagtaa 240
gtattgtcta ctttgggtcat tctgaaaagc atctgctttc tgaattgtga ctatgtttgc 300
tgggttattg ctcttcatat aagagaatta tacctcaata atgcaacgcc cctcgag 357

<210> 2158

<211> 316

<212> DNA

<213> Rattus sp.

<400> 2158

gaattcggcc aaagaggcct aatcttttcc cctgggggag ttatgaagaa gcagtatctt 60
cctcctccta aagtccctaac aataaaccca agtttgattc cacaagttaa cgccgaagaa 120
caaactatct atttgagagc atgggtgaag ggggtatggg gggagtagat ccctaaagta 180
gccactggaa gatctgtacc ctgcatgagt gatgaccccc atggctagat attatgtagt 240
cccttcgcca tgtcttttca ggcctacata ctgtaactac tctgagaaac ccaagggtcaa 300
gtgcaattca ctcgag 316

<210> 2159

<211> 303

<212> DNA

<213> Rattus sp.

<400> 2159

gaattcggcc aaagaggcct atttaattta attttttagtg ctagggatag agtctacaac 60
cttgctcgtg ctaggaaaca ttttaccact ggctttagt cccagcccat ttctcttctt 120
tgtctctctc tctttacctc aaatgctctt taacccccaa ttaattttta cttagactgt 180
ggcagggtatt ttttaacctt ttctctctca aaggctatta gaatacaaa cacttgctc 240
tgtcattgcc tctctctatg gctagcactg tgcttacaca gttgaacaca tgagcgtctc 300
gag 303

<210> 2160

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> linker sequence

<400> 2160

gaattcggcc aaagaggcct a

21

<210> 2161

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> linker sequence

<400> 2161
gaattcggcc ttcattggcct a 21

<210> 2162
<211> 8
<212> DNA
<213> Artificial Sequence

<220>
<223> linker sequence

<220>
<221> unsure
<222> (7)..(8)

<400> 2162
gaattcnn 8

<210> 2163
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
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<210> 2165
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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US99/24205

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : C07K 14/435; C12N 15/12

US CL : 530/350; 536/23.5

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 530/350; 536/23.5

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EMBL5, Genbank, USPAT issued, EMBLest58, Genbankest111

search terms: sequences corresponding to SEQ ID NO: 48, 79, 267, 531, 724, 802, 993, 1192, 1333, and 1416

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim N
X	WO 98/42738 A1 (HUMAN GENOME SCIENCES, INC.) 01 October 1998, pages 207-208, positions 402-730 of SEQ ID NO: 54 relevant to positions 21-350 of instant SEQ ID NO: 993.	4, 8
X	Database Genbank on STN, National Center for Biotechnology Information, (Bethesda, MD), Accession number C06368, TAKEDA, J., 'Direct Submission,' 11 October 1996, positions 16-372 relevant to positions 29-385 of instant SEQ ID NO: 1416.	4, 8
X	Database Genbank on STN, National Center for Biotechnology Information (Bethesda, MD), Accession Number AA491109, NCI-CGAP, 'National Cancer Institute, Cancer Genome Anatomy Project (CGAP), Tumor Gene Index,' 15 August 1997, positions 1-136 relevant to positions 159-24 of instant SEQ ID NO: 1333.	4, 8

☒ Further documents are listed in the continuation of Box C. ☐ See patent family annex.

* Special categories of cited documents:	*T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
A document defining the general state of the art which is not considered to be of particular relevance	*X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
B earlier document published on or after the international filing date	*Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document combined with one or more other such documents, such combination being obvious to a person skilled in the art
L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	*G* document member of the same patent family
O document referring to an oral disclosure, use, exhibition or other means	
P document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search 11 FEBRUARY 2000	Date of mailing of the international search report 29 FEB 2000
Name and mailing address of the ISA/US Commissioner of Patents and Trademarks Box PCT Washington, D.C. 20231 Facsimile No. (703) 305-3230	Authorized officer JOHN S. BRUSCA Telephone No. (703) 308-0196

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US99/24205

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim ?
X	Database Genbank on STN, National Center for Biotechnology Information (Bethesda, MD) Accession Number AA442056, HILLIER et al, 'WashU-Merck EST Project 1997,' 02 June 1997, positions 60-226 relevant to positions 21-187 of instant SEQ ID NO: 1192.	4, 8

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US99/24205

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This international report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

2. ☐ Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:

3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

Please See Extra Sheet.

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:

4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
1-8

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US99/24205

BOX II. OBSERVATIONS WHERE UNITY OF INVENTION WAS LACKING

This ISA found multiple inventions as follows:

This application contains claims directed to more than one species of the generic invention. These species are deemed to lack Unity of Invention because they are not so linked as to form a single inventive concept under PCT Rule 13.1. In order for more than one species to be searched, the appropriate additional search fees must be paid. The species are as follows:

The nucleic acids of SEQ ID NO: 1-2159 and the corresponding polypeptides encoded by the nucleic acids of SEQ ID NO: 1-2159.

The claims are deemed to correspond to the species listed above in the following manner:

All claims are drawn to the species indicated above.

The following claims are generic: 1-8

The species listed above do not relate to a single inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, the species lack the same or corresponding special technical features for the following reasons: Each species is drawn to a different nucleic acid or corresponding encoded polypeptide. There is no disclosed relationship between the sequences of each individual species.

Restriction to a single species has been waived sua sponte and the Applicants are permitted to have ten species examined without payment of additional fees. The Applicants representative Suzanne Sprunger elected telephonically on 01 February 2000 to have the sequences corresponding to SEQ ID NOS: 48, 79, 267, 531, 724, 802, 993, 1192, 1333, and 1416 searched.